

Tennessee State University

Digital Scholarship @ Tennessee State University

Tennessee State University Graduate
Catalogues

Tennessee State University Catalogues

6-2021

Graduate Catalogue 2019-2021

Tennessee State University

Follow this and additional works at: <https://digitalscholarship.tnstate.edu/graduatecatalogues>

Recommended Citation

Tennessee State University, "Graduate Catalogue 2019-2021" (2021). *Tennessee State University Graduate Catalogues*. 7.

<https://digitalscholarship.tnstate.edu/graduatecatalogues/7>

This Book is brought to you for free and open access by the Tennessee State University Catalogues at Digital Scholarship @ Tennessee State University. It has been accepted for inclusion in Tennessee State University Graduate Catalogues by an authorized administrator of Digital Scholarship @ Tennessee State University. For more information, please contact XGE@Tnstate.edu.

2019 - 2021 Graduate Catalog



2019-2021 GRADUATE CATALOG

SCHOOL OF GRADUATE & PROFESSIONAL STUDIES

2019-2021 GRADUATE CATALOG

SCHOOL OF GRADUATE & PROFESSIONAL STUDIES

Non-Discrimination & Affirmative Action Statement

Tennessee State University is an EEO/AA employer and does not discriminate on the basis of race, color, national origin, gender, gender identity, sexual orientation, age, religion, disability or veteran status in its programs or activities. Tennessee State University is committed to providing the highest quality of employment, education, research, and service. In support of this commitment, the University seeks to ensure that all educational and employment programs are administered without regard to race, color, national origin, sex gender, gender identity, sexual orientation, religion, age, disability, or veteran status. The University's non-discrimination and anti-harassment policy is applicable to faculty, staff, applicants for employment, students, applicants for educational programs and other activities, and third-party beneficiaries of programs or activities receiving Federal financial assistance. This policy is fundamental to the effective functioning of the University as an institution of teaching, scholarship and public service.

For more information regarding these policies, please contact the Office of Equity and Inclusion ("OEI") at the phone number or address below.

Title VI of The Civil Rights Act of 1964

Title VI of the Civil Rights Act of 1964 ("Title VI") is the federal law that prohibits discrimination on the basis of race, color, and national origin in programs and activities receiving federal financial assistance. As a recipient of these funds, TSU is required to follow the provisions of Title VI, and therefore, all facilities, programs, and services sponsored by the University are available to all eligible persons regardless of race, color, or national origin. Another important facet of Title IV involves providing meaningful access to programs and services for individuals that are considered to have Limited English Proficiency ("LEP").

To file an employment discrimination/harassment complaint or a Title VI discrimination/harassment complaint, please contact:

Danica Myers, Interim Director of Equity and Inclusion
3500 John Merritt Blvd.
General Services Building, Second Floor
Nashville, Tennessee 37209

615-963-7435 (office)
615-963-7463 (fax)
www.tnstate.edu/equity/

Title IX Notification Gender Discrimination, Sexual Harassment, Sexual Assault, Stalking & Dating/Domestic Violence

Title IX of the Education Amendments of 1972 prohibits discrimination based on sex in education programs and activities that receive federal financial assistance. Examples of the types of discrimination that are prohibited under Title IX include sexual harassment, sexual assault/sexual violence, discrimination based on pregnancy and the failure to provide equal

opportunity in athletics. The Violence Against Women Act (VAWA) provides protections to individuals who are the target of sexual violence, domestic/dating violence, and stalking.

Complaints of violations under Title IX or VAWA may be directed to TSU's Title IX Coordinator:

Danica Myers, Interim Director (Title IX Coordinator)
Natasha Dowell, Asst. Director (Deputy Coordinator)
Equal Opportunity & Affirmative Action Office
3500 John Merritt Blvd., General Services Building, Second Floor
Nashville, Tennessee 37209
615-963-7435 (Office)
615-963-7463 (fax)
www.tnstate.edu/equity/

For complaints involving student on student sexual harassment, sexual assault/violence, stalking or domestic/dating violence:

Erica Gilmore (Deputy Coordinator)
Assistant Dean of Students
Office of Student Conduct and Judicial Affairs
Floyd-Payne Campus Center, Ste. 103
615-963-2156
<http://www.tnstate.edu/mediation/>

For complaints of gender equity in athletics:

Valencia Jordan (Deputy Coordinator)
Associate Athletic Director/Senior Women's Administrator Gentry Complex, Room 318
3500 John Merritt Blvd.
Nashville, Tennessee 37209
615-963-5754
www.tsutigers.com/

Reports of sexual assault/violence may also be reported to:

Tennessee State University Police Department
3500 John Merritt Blvd.
Queen Washington Bldg., 2nd Floor
Nashville, Tennessee 37209
615-963-5171 (non-emergency)/ 911 (emergency)
www.tnstate.edu/police/

Services are also available in the TSU Counseling Center for individuals seeking assistance with personal decision making, intra/interpersonal relationships, social relations, and crisis issues. The Counseling Center may be contacted at the address or phone number below:

Main Campus Student Success Center/LRC, Ste. 114
615-963-5611 or www.tnstate.edu/counseling/

If you want to learn more about your rights, or if you believe that a school, district, college or university is violating Federal law, you may contact the U.S. Department of Education, Office for Civil Rights, at 800-421-3481 or ocr@ed.gov

File a Complaint

Students or prospective students who wish to file a complaint related to accreditation or regarding violations of state law not resolved at the institution may submit a Student Complaint Form to the Tennessee Board of Regents at 1415 Murfreesboro Road, Suite 340, Nashville Tennessee 37217, or by going online and filling out the form electronically at: <http://www.tbr.edu/contact/StudentComplaintForm.aspx>. Under Tennessee's open records law, all or parts of complaints will generally be available for review upon request from a member of the public. Complaints regarding accreditation can also be made by contacting the Commission of Colleges of the Southern Association of Colleges and Schools, 1866 South Lane, Decatur Georgia 30333 (www.sacs.org).

Complaints of fraud, waste or abuse may be made by email at reportfraud@tbr.edu or by calling the Tennessee Comptroller's Hotline for Fraud, Waste, and Abuse at 1-800-232-5454.

The TSU GRADUATE CATALOG is published biennially by

Tennessee State University

3500 John A. Merritt Blvd.

Nashville, Tennessee 37209-1561

TSU Web Site: www.tnstate.edu

Graduate School E-Mail: gradschool@tnstate.edu

Graduate School Web Site: www.tnstate.edu/graduate

Graduate School Phone: 615-963-7371

Graduate School FAX: (615) 963-7219

Graduate School Mailing Address:

Tennessee State University

Avon Williams Campus, Suite B 400

330 10th Avenue North

Nashville, TN 37203

Publication Number: TSU-15-0149(A)-1-118000

Scope of Catalog

The provisions of this Catalog do not constitute a contract between a student at TSU and the University. This Catalog presents requirements, regulations, course offerings and degree programs which are in effect at the time of publication. TSU reserves the right to change the regulations in this Catalog at any time during the period for which it is in effect and to add, modify, or withdraw courses at any time.

Degree requirements are subject to change during such period only to the extent required by federal or state laws or accreditation standards. The specific courses or activities constituting the degree requirements for any program are subject to substitution at any time prior to completion by the student.

The remaining provisions of this Catalog reflect the general nature and conditions of the educational services of the University in effect upon publication, but they do not constitute a contract or otherwise binding commitment between the University and the student. Any fees, charges, or costs, and all academic regulations set forth in this Catalog are subject to change, cancellation or termination by the University or the Tennessee State University Board of Trustees at any time.

Purpose and Use of Catalog

The Tennessee State University Graduate Catalog is the primary general information publication for the University. It is intended to provide information for students and other persons interested in the academic programs and organizations of TSU. In order to understand the activities and programs of the institution, it is important for students to know how to use this Catalog effectively.

The University provides the opportunity for students to increase their knowledge by providing programs of instruction in the various disciplines and programs through a faculty which is trained and qualified for teaching at the college level. However, the acquisition of knowledge by any student is contingent upon the student's desire to learn and his or her application of appropriate study techniques to any course or program. As a result, the University does not warrant or represent that any student who completes a course or program of study will necessarily acquire any specific knowledge or skills, or will be able to pass or successfully complete any specific examination for any course, degree or license.

All graduate students should thoroughly familiarize themselves with the General Information and Admissions, Regulations, Policies section of the Catalog.

Students who have already made decisions concerning the area of studies in which they are interested, such as Agriculture, Business, Education, Engineering, Health Sciences or some other field, should turn to the section of the Catalog dealing with the particular interest for information about admissions, courses and degree requirements. Information about degree programs is to be found under the heading of the college or school in which the program is offered.

Students who have questions concerning their academic progress, curricula or academic standing should consult their faculty advisor, graduate coordinator, department chair or academic deans, as appropriate.

Persons interested in graduate work may inquire at the Office of the School of Graduate and Professional Studies located at Avon Williams Campus, in Suite B400, 330 10th Avenue North, Nashville, TN 37203 or by phone at (615) 963-7371, or e-mail at gradschool@tnstate.edu.

The Dean of the School of Graduate and Professional Studies is the editor of the Graduate Catalog and has final authority to determine the contents of the Catalog.

Welcome to Graduate Study

Graduate education at Tennessee State University is designed to offer students the experience of advanced study and research in their fields of specialization. Study at the graduate level requires a high level of motivation in students who are committed to excellence in knowledge, in research, and in contributions to the profession, or service to the community.

The University has two conveniently located campuses. The Main Campus, which overlooks the Cumberland River, is bounded by 28th Avenue and 39th Avenue North and is adjacent to both east and westbound exits of I-40. Its sprawling 450 acres include 60 buildings, 8 residence halls, a 400,000 volume library, a 12,000 seat arena, an award-winning student center and land for agricultural research.

A major and completed renovation featuring new and restored buildings and facilities, grounds beautification, and parking has transformed the historic main campus into a modern pedestrian campus with peripheral parking.

The Avon Williams Campus is located in downtown Nashville in the heart of the city's commercial district. It is adjacent to the center of state government: the Capitol, Legislative Plaza, and the Tennessee Supreme Court.

The student population at Tennessee State University is approximately 8000. The graduate student population numbers approximately 1,600. Cultural diversity accurately describes these students, who come from various areas across the country and from many countries around the world for the Tennessee State University experience.

The graduate faculty consists of outstanding scholars, researchers, artists, scientists, performers and practitioners who are respected by their professional peers. Many are highly qualified as presenters and consultants with regional, national, and international reputations. All graduate faculty holds doctoral degrees from respected colleges and universities. Since the faculty and students are culturally diverse, Tennessee State University affords a rare opportunity to participate in and share the uniqueness of cultural diversity.

We are delighted that you are considering studying at Tennessee State University: the major public, land grant, comprehensive urban university of Nashville and Middle Tennessee.

Tennessee State University: Vision and Mission

Vision Statement

Tennessee State University aspires to achieve national and international prominence, building on its heritage and preparing leaders for a global society.

Mission Statement

Tennessee State University, a Historically Black College/University (HBCU), fosters scholarly inquiry and research, life-long learning, and a commitment to service.

Core Values

Tennessee State University maintains the following core values:

- Excellence
- Learning
- Accountability
- Integrity
- Shared governance
- Diversity
- Service

Statement of Purpose

Tennessee State University, an HBCU and 1890 land grant institution, is a major state-supported urban and comprehensive university. This unique combination of characteristics differentiates the University from others and shapes its instructional, research, and service programs designed to serve Metropolitan Nashville, Middle Tennessee, the State of Tennessee, the nation, and the global community. The University is committed to maintaining its diverse student body, faculty, and staff.

Tennessee State University provides quality instruction through academic programs which are broadly comprehensive at the baccalaureate and master's levels. Doctoral programs are offered in select areas where the University exhibits strength in instruction and research and consistent with the University's unique mission. The University's educational programs are intended to increase the student's level of knowledge, enhance the student's skills, and expand the student's awareness.

Tennessee State University is committed to engaging in pure and applied research which contributes to the body of knowledge and which broadens the application of knowledge. Whenever possible, the University strives to provide its students with the opportunity to be involved in the research activities of the faculty and academic staff.

Tennessee State University serves its constituents through an array of programs and services which apply the knowledge, skills and discoveries of the instructional and research units at the institution. These services are intended to broaden the perspectives and enhance the quality of life of the University's service constituents.

Tennessee State University expresses its commitment to students' overall development by promoting life-long learning, scholarly inquiry, and a commitment of service to others. Programs and services are geared toward promoting and nurturing students' growth and development as persons who are liberally educated, appreciate cultural diversity, and embody a sense of civic and social responsibility.

Tennessee State University projects itself to its students, faculty, and alumni and to the citizens of the State through the motto, "Think, Work, Serve."

Tennessee State University remains committed to the education of a non-racially identifiable student body and promotes diversity and access without regard to race, gender, religion, national origin, age, disability, or veteran status.

Goals of the Graduate School

1. To maintain high standards of instruction in graduate education, continuing education, and in the curricula and fields of specialization through which degree programs are offered;
2. To foster the continuation of faculty and student involvement in research which advances knowledge in the areas concerned;
3. To continue expanding its role as a public servant and leader of the citizens of the State by disseminating knowledge and providing a broad variety of educational and technical services;
4. To provide advanced degree programs and services especially tailored to the need and convenience of graduate students of all ages, including working adults of the corporate and industrial communities in the mid-state area; and,
5. To provide an atmosphere that will enhance the emotional, educational, cultural, social, and recreational growth of the total University community.

Administration of Graduate Programs

The Dean of the School of Graduate and Professional Studies is the administrative officer for all graduate programs and is responsible to the Vice President for Academic Affairs.

The Graduate Council is the advisory body for the Graduate School. Its members are Graduate Faculty elected by the Graduate Faculty in departments or units offering graduate degrees, the Dean of the Library, and the Graduate Dean, who is the chairperson. The Graduate Council has four standing committees, namely the Appeals Committee, the Graduate Faculty Membership Committee, the Curriculum or Course and Program Review Committee, and Policies and Procedures Committee. The Appeals Committee of the Graduate Council reviews petitions and appeals submitted by students and faculty concerning admissions, retention, and suspension of students. The Graduate Faculty Membership Committee reviews and evaluates credentials of faculty recommended for membership to the Graduate Faculty and for retention of membership on the Graduate Faculty. The Curriculum or Course and Program Review Committee reviews and evaluates proposals for establishing new programs and courses or for modifying programs and courses. The Policies and Procedures Committee reviews all proposals and other actions pertaining to policies and procedures governing the operations of the Graduate School and shall, with the Graduate Dean, be responsible for the contents of the Graduate Catalog. Any policy modification or new policy must be approved by the Graduate Council and submitted to the Vice President for Academic Affairs for approval.

The graduate coordinator for each department is the general advisor for students in the department. The graduate coordinator is responsible for evaluating the credentials under which the student is admitted to that program, designating, when necessary, the courses the student should take to remove deficiencies, rejecting applicants on the basis of unacceptable credentials, and notifying the Graduate School of departmental decisions.

When Colleges instead of Departments offer degrees, e.g., the Master of Engineering degree in the College of Engineering, Master of Business Administration degree in the College of Business, the college Dean appoints a coordinator to serve as the general advisor for all students. While the Major Advisor supervises the student's program, it is the primary responsibility of the

student to know and observe all pertinent regulations in order to meet all of the requirements for the degree sought.

Graduate Faculty

Policies pertaining to Graduate Faculty membership are contained in the Graduate Faculty Handbook. Members of the Graduate Faculty are listed at the end of each department or unit section of this catalog. The list was current at the time of preparation of this Catalog, but is subject to change. The most current list can be accessed at <http://www.tnstate.edu/graduate/facultylist.aspx>.

Accreditations and Memberships

Tennessee State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the Associate's, Bachelor's, Master's, Specialist in Education, and Doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Tennessee State University.

Program Accreditations

College of Agriculture

Human Sciences (B.S.: American Association of Family and) Consumer Sciences, American Dietetics Association

College of Business

- Business (M.B.A.: The Association for the Advancement of Collegiate Schools of Business)

College of Education

- Education (M.S., M.A.Ed., Ed.S., Ed.D.: National Council for Accreditation of Teacher Education (NCATE))
- Psychology (Ph.D. with concentration in Counseling: American Psychological Association (APA))

College of Health Sciences

- Nursing (M.S.N.: Accreditation Commission for Education in Nursing)
- Occupational Therapy (MOT: The Master in Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association)
- Physical Therapy (DPT: The Doctor of Physical Therapy program is accredited by the Commission on Accreditation in Physical Therapy Education)
- Public Health (M.P.H.: Council on Education for Public Health)
- Speech Pathology and Audiology (M.S.: Council of Academic Accreditation of the American Speech-Language-Hearing Association)

College of Public Service and Urban Affairs

- Public Administration (M.P.A.: The National Association of Schools of Public Affairs and Administration)
- Social Work (M.S.W.: The Council on Social Work Education)

Institutional Memberships

Tennessee State University is a member of the following associations:

- American Council on Education
- American Psychological Association (APA)
- The Association for the Advancement of Collegiate Schools of Business (AACSB)
- American Association of Family and Consumer Sciences-Higher Education Unit
- American Association of Colleges for Teacher Education
- American Association of Colleges of Nursing
- American Association of Collegiate Registrars and Admissions Officers
- American Association of State Colleges and Universities
- Association of Administrators of Human Sciences
- Association of Colleges and Schools of Education in State Universities and Land Grant Colleges (ACSESULAC)
- Association of Schools of Allied Health Professions
- Aviation Accreditation Board International (AABI)
- The College Board
- Carnegie Project on the Education Doctorate (CPED)
- Conference of Southern Graduate Schools
- Council of Colleges of Arts and Sciences
- Council for Counseling Psychology Training Programs (CCPTP)
- Council of Graduate Schools
- Council of Historically Black Graduate Schools
- Council of 1890 Family and Consumer Sciences
- Council of 1890 Presidents
- Council of the Great City Colleges of Education
- Nashville Area Chamber of Commerce
- National Association for Business Teacher Education
- National Association of Collegiate Directors of Athletics
- National Association for Equal Opportunity in Higher Education(NAFEO)
- National Association of Industrial Technology (NAIT)

- National Association for Multicultural Education (NAME)
- National Association of Schools of Art and Design
- National Association of Schools of Music
- National Association of Schools of Public Affairs and Administration
- National Association of State Directors of Teacher Education and Certification (NASDTEC)
- National Association of State Universities and Land-Grant Colleges
- National Collegiate Athletic Association
- National Council for Accreditation of Teacher Education
- National Society of Allied Health
- National University Extension Association
- Ohio Valley Conference
- Organization of Black Airline Pilots (OBAP)
- Southern Business Administration Association
- Southern Regional Education Board
- Teacher Education Council of State Colleges and Universities
- Tennessee Association of Colleges for Teacher Education
- Tennessee Aviation Association (TAA)
- Tennessee College Association
- Tennessee Conference of Graduate Schools
- University Aviation Association (UAA)
- University Council for Educational Administration (UCEA)
- World Council for Curriculum and Instruction (WCCI)

THE SCHOOL OF GRADUATE AND PROFESSIONAL STUDIES

THE 2019-2021 ACADEMIC CALENDAR

Fall Semester, 2019

August 9	Faculty Reports for Semester Activities
August 10	Graduate Student Orientation
August 12-13	Faculty Institute
August 23	Regular Registration ("MyTSU" - see Class Schedule for details)
August 19	Classes begin
Aug. 19- 23	Late Registration/Schedule Adjustment*
September 2	Holiday - Labor Day
September 17	Recognition of Constitution Day
Sept. 22-28	Student Study Week - No Activities Scheduled
September 27	Application deadline for M.Ed., M.P.A., M.P.H. and M.S. Comp. Exams. for Spring 2020 graduating candidates
September 24	Graduate Council Meeting
Sept. 30-Oct. 4	Mid-Term Examinations - All Classes Meet as Scheduled
October 11	Last Day to Withdraw from Courses and/or from the University
October 15	MSN & Nursing Certificate Programs Application Deadline for Spring 2020
October 15	Founder's Day
October 18	Homecoming
October 24	Last Day to Defend Thesis/Dissertation for December 2019 Graduation
October 28	Regular Registration for Spring 2019 begins and ends January 17, 2020
October 29	Graduate Council Meeting
November 1	Priority Application Deadline for Spring 2020 Admission (most programs)
November 7	Last Day to Defend Theses/Doctoral Dissertations for December 2019 Graduation
November 11	Veteran's Day
November 22	Last Day of Class
November 26	Graduate Council Meeting
Nov. 25-31	Fall Break/Thanksgiving (No Classes)

Dec. 2-7	Final Examinations
December 9	Faculty Must Have Posted All Grades Via MyTSU
December 13	Records Office Releases All Posted Grades Via MyTSU
Dec. 24-31	Holiday Break - University Closed

This calendar is subject to change at any time prior to or during an academic term as conditions may require.

Spring Semester 2020

January 1	New Year - Holiday Observed
January 2	University Re-Opens- 8:00 a.m.
January 6	Faculty/Staff Institute
January 13	Classes Begin
Jan. 13-17	Late Registration/Schedule Adjustment - \$100.00 Late Fee Assessed
January 20	Holiday - Martin Luther King Day
January 28	Graduate Council Meeting
February 1	Complete Applications due for MS Psychology, MS Speech and Hearing Science for Fall 2020
February 10	Application Deadline Masters Comprehensive Examinations
February 15	Ph.D. Psychology Fall 2020 Application Deadline; MSN & Nursing Certificates Application Deadline; DPT Application Deadline
Feb. 17 -21	Student Study for Mid-Term Examination
Feb. 24-29	Mid-Term Examination
March 2 - 7	Spring Break
March 15	MS Psychology Fall 2020 Application Deadline; Ph.D. Biological Sciences Application Deadline
March 15	Complete Applications due for MSN/RODP Program for Summer 2020
March 17-23	Mid-term Examination Week
March 20	Last Day to Withdraw from Courses and/or the University
March 20	Last Day to Administer Doctoral Examinations (Qualifying or Comprehensive)
March 26	Last day to defend Theses/Dissertation for May 2020 Graduation

March 27	Last Day to Administer Masters Comprehensive Examination for May 2020 Graduation
March 31	Graduate Council Meeting
April 1	Registration for Fall 2020 Begins - Ends April 22
April 2	Last day for Electric Thesis/Dissertation Submission for May 2020 Graduation
April 20-25	Student Study Week
April 27 - May 1	Final Examinations
May 1	Graduate Commencement
May 4	Faculty Must have Posted Grades Via MyTSU

This calendar is subject to change at any time prior to or during an academic term as conditions may require.

Summer Semester 2019

May 9 May 30	Maymester
June 6 - July 8	First Five-Week Session
June 2 - Aug. 15	Ten-Week (Full Summer) Session
July 11 - Aug. 15	Second Five-Week Session

Summer Schedule & Deadlines

April 2 - May 28	Registration, All Summer Sessions (except Maymester)
April 1 - May 30	Registration, All Summer Sessions (except Maymester)
June 5 & 12	DOCTORAL EXAMINATIONS
June 19 & 20	M.Ed., M.P.A. M.S., and M.P.H Comprehensive Examinations
June 20	M.Ed., M.P.H. and M.S. Comprehensive Examinations
July 3	Deadline for Theses/Dissertations defense for August 2019 Graduation
July 1	D.P.T. Application opens for summer 2020
July 17	Last day to file for fall 2019 doctoral examinations (Qualifying and Comps)
July 17	Last day for Electronic Submission of Thesis/Dissertation for August 2019 Graduation

2019 Maymester

May 6	Registration - Maymester Only
May 6	Classes begin for 3 Week Session
May 10	Last Day to Withdraw from Courses
May 23	Last Day of Classes
May 27	Memorial Day - Holiday Observed
May 28	Faculty must have posted all grades via "MyTSU." All grades will be available when all Summer Sessions are completed.

Session I - Five Week Session

April 2 - May 28	Registration, All Summer Sessions
June 3	Classes Begin
June 3-5	Late Registration/Drop/Add
June 21	Last day to withdraw from First-Session Courses
June 21	Last day to withdraw from University
July 1	Priority deadline for applications for admission to the Graduate School for Fall 2019
July 4	Holiday- Independence Day
August 12	Faculty must have posted all grades via "MyTSU"
August 16	Records Office releases all posted grades via "MyTSU"

Session II - Five Week Session

July 8	Classes begin
July 8-10	Late Registration/Add/Drop for Summer Session II
July 15	Complete Applications Due for MSN and Nursing Certificate Programs for Fall 2019
July 26	Last day to withdraw from Second-session courses
July 26	Last day to withdraw from the University
August 8	Last day of classes
August 12	Faculty must have posted all grades via "MyTSU"
August 16	Records Office releases all posted grades via "MyTSU"

Full - 10 Week Session

April 2 - May 28	Registration, All Summer Sessions ("MyTSU"- see Class Schedule for details)
June 1	Classes begin for the full 10-week session
June 3-5	Late Registration/Schedule Adjustment
June 15	Complete Applications Due for MSN and Nursing Certificate Programs for Fall 2019
July 1	Priority application deadline for admission Fall 2019 admission (most programs)
July 4	Holiday Observed
July 12	Last day to withdraw from courses
July 12	Last day to withdraw from the university
August 9	Last Day of Classes
August 12	Faculty must have posted all grades via "MyTSU"
August 16	Records Office releases all posted grades via "MyTSU"

Final examinations for summer semesters will be scheduled during the last official meeting date/time for all courses.

This calendar is subject to change at any time prior to or during an academic term due to emergencies or causes beyond the reasonable control of the institution.

THE 2020-2021 GRADUATE SCHOOL CALENDAR WILL BE POSTED ONLINE IN DUE COURSE:

www.tnstate.edu/graduate

General Information

History

In 1909, the Tennessee State General Assembly created three normal schools, including the Agricultural and Industrial Normal School for Negroes, which would grow to become Tennessee State University.

- | | |
|------|--|
| 1941 | The General Assembly authorized the State Board of Education to establish graduate studies leading to the master's degree in several branches of teacher education. |
| 1944 | In June, the first master's degree was awarded. |
| 1946 | The Southern Association of Colleges and Schools accredited the institution. |
| 1951 | The State Board of Education granted the college university status. The reorganization included the establishment of the Graduate School, the School of Arts and Sciences, the School of Education, and the School of Engineering, and provided for the additions of the other schools: Agriculture, Business, and Home Economics, respectively. |
| 1958 | The University was elevated to a full-fledged land-grant university. The program included the School of Agriculture and Home Economics, the Graduate School, the Division of Business, the Division of Extension and Continuing Education, and the Department of Aerospace Studies. |
| 1969 | The current name, Tennessee State University, was adopted. |
| 1974 | The School of Allied Health Professions and the School of Business were established, while the Specialist in Education degree was authorized. |
| 1976 | The Master of Criminal Justice degree was approved. |
| 1977 | The Master of Public Administration degree was approved. |
| 1978 | The Master of Engineering degree, the Master of Arts in Education, and the Master of Education Degrees in Reading were approved. |
| 1979 | Tennessee State University and the University of Tennessee-Nashville merged. The Master of Business Administration degree was established. |
| 1980 | The Doctor of Education degree was approved in three majors: Curriculum and Instruction, Educational Administration, and Educational Psychology and Guidance. |
| 1986 | The Doctor of Education degree in Educational Psychology and Guidance was changed to a Doctor of Education degree in Psychology with concentrations in Counseling Psychology and School Psychology; an M.S. degree in Mathematical Sciences was approved; a Ph.D. degree in Public Administration was approved. |
| 1987 | The Graduate School was redefined as the School of Graduate Studies and Research. |
| 1991 | The School of Graduate Studies and Research celebrated 50 years of Graduate Education. |

1994	The Master of Science in Nursing Degree was initiated.
1996	The Psychology doctoral program degree designation changed from Ed.D. to Ph.D.
1997	The Master of Science in Computer, Information, and System Engineering (CISE) was initiated.
1998	The Doctor of Philosophy degree in Biological Sciences was initiated.
1999	The Doctor of Philosophy degree in Computer and Information Systems Engineering was approved.
2004	The School of Allied Professions was changed to the College of Health Sciences
2006	The Doctor of Physical Therapy Program was initiated.
2006	The Master of Occupational Therapy was approved.
2009	The Master of Public Health (M.P.H) was approved.
2009	The Master of Professional Studies (M.P.S) was approved.
2009	The Master of Social Work (M.S.W) was approved.
2014	The Professional Science Masters (P.S.M) was approved.
2014	The Master of Science (M.S.) in Computer Science was approved.
2016	The Graduate School was redefined as the School of Graduate and Professional Studies.

Today, Tennessee State University offers twenty-four master's degrees, seven doctoral degrees, and eight graduate certificate programs at the graduate level.

ALL DEGREE AND CERTIFICATE PROGRAMS REQUIRE AN OFFICIAL TRANSCRIPT				
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
AGRICULTURE				
	Agricultural and Environmental Sciences	Agricultural Sciences	M.S.	Food and Animal Science
			M.S.	Biotechnology (Plant and Soil Science)
			M.S.	Agriculture Education
			M.S.	Agribusiness Management and Analysis

			M.S.	Agricultural Education
		Food and Animal Sciences	M.S.	Food Supply Chain Management
		Professional Science	P.S.M.	Applied Geospatial Info. Sys.
		Applied Geospatial Information Systems	Certificate	
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
BUSINESS	Business	Business Administration	M.B.A.	Accounting
			M.B.A.	Healthcare Economics & Management
			M.B.A.	Management of Information Systems
			M.B.A.	Supply Chain Management
			M.B.A.	General MBA
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
EDUCATION				
	Educational Leadership		Ed.D.	K-12 Administration
			Ed.D.	Higher Education Leadership
		Instructional Leadership	Ed.S	Licensure
			Ed.S	Non-Licensure
		Instructional Leadership	M.Ed.	Licensure
				Non-Licensure

					Career and Technical Education (CTE)
	Psychology		Professional School Counseling	M.S.	PreK-12 School Counseling
			Psychology	M.S.	Counseling Psychology
				M.S.	School Psychology
				Ph.D.	Counseling Psychology
				Ph.D.	School Psychology
	Teaching & Learning		Curriculum & Instruction	Ed.D.	Foundations & Curriculum
				M.Ed.	Educational Technology
				M.Ed.	Music
				M.Ed.	Reading Specialist
				M.Ed.	Secondary School Instruction
				M.Ed.	Teaching English Language Learners (Endorsement or Non-Licensure Option)
			Elementary Education	M.Ed.	
			Special Education	M.Ed.	
COLLEGE	DEPARTMENT	MAJOR/PROGRAM	DEGREE/CERTIFICATE	CONCENTRATIONS	
ENGINEERING					
	Electrical & Computer Engineering	Computer and Information Systems Engineering	Ph.D.	Computer Comm. & Networks	
			Ph.D.	Control Systems and Signal Processing	

				Robotics and Computer Integrated Manufacturing
		Computer, Information, and Systems Engineering	M.S.	
	Computer Science	Computer Science	M.S.	High-Performance Computing & Bioinformatics
			M.S.	Cyber-Security & Networking
	Engineering	Engineering	M.E.	Biomedical Engineering
			M.E.	Civil Engineering
			M.E.	Environmental Engineering
			M.E.	Electrical Engineering
			M.E.	Mechanical Engineering
			M.E.	Manufacturing Engineering
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
HEALTH SCIENCES				
	Human Performance and Sport Sciences	Human Performance and Sport Sciences	M.A.Ed.	Exercise Science
			M.A.Ed	Sports Administration
	Nursing	Nursing	M.S.N.	Family Nurse Practitioner
			M.S.N.	Holistic Nursing
			M.S.N.	Nursing Education

		Nursing (online)	M.S.N./ROCC	Family Nurse Practitioner
			M.S.N./ROCC	Nursing Education
			M.S.N./ROCC	Nursing Administration
		Family Nurse Practitioner	Certificate	
		Holistic Nursing	Certificate	
		Nursing Education	Certificate	
	Occupational Therapy	Occupational Therapy	M.O.T.	
	Physical Therapy	Physical Therapy	D.P.T	
	Public Health, Health Administration and Health Sciences	Public Health	M.P.H.	Behavioral Science & Health Education
			M.P.H.	Cultural Competency
	Speech Pathology & Audiology	Speech and Hearing Science	M.S.	
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
LIBERAL ARTS				
	Criminal Justice	Criminal Justice Administration	M.C.J.	
LIFE AND PHYSICAL SCIENCES	DEPARTMENT	MAJOR/PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
	Biological Sciences	Biology	M.S.	

		Biological Sciences	Ph.D.	
	Chemistry	Biochemistry	M.S.	
		Chemistry	M.S.	
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
PUBLIC SERVICE & URBAN AFFAIRS				
	Public Administration	Health Administration and Planning	Certificate	
		Non-Profit Management	Certificate	
		Executive Leadership	Certificate	
		Public Policy	Certificate	
		Professional Studies	M.P.S.	Human Resources
			M.P.S.	Strategic Leadership
			M.P.S.	Training and Development
		Public Administration	M.P.A.	
		Public Administration and Policy	Ph.D.	
		Social Work	M.S.W.	
COLLEGE	DEPARTMENT	MAJOR/ PROGRAM	DEGREE/ CERTIFICATE	CONCENTRATIONS
GRADUATE SCHOOL				
	Non-Degree Seeking	Advanced Graduate		

		Admission for Undergraduates		
		Teacher Licensure		
		Add-On Endorsement		
		Plus Thirty		
		Pre K-12 School Counseling		
		Certification		
		Other		

2018-2019 Special Fees

SPECIAL FEES PER SEMESTER*	
(Fees subject to change without notice)	
Application Fee (non-refundable, should be included with the application)	\$35.00
Fee Deferment	\$50.00
Bad Check Charge	\$30.00
Comprehensive Exam	\$15.00
Credit/Audit Change	\$10.00
Duplicate I.D. Card (\$ 35.00 after second replacement/this fee is nonrefundable)	\$15.00
International Student Fee (This is not assessed for the Summer Term)	\$100.00
New Student Orientation (non-refundable)	\$40.00
Late Registration	\$100.00
Library Fines (non-refundable) per day	
Lost Books -	
The list price of the book plus a processing fee of	\$25.00
Parking (included in General Access Fee)	
Property Damage (Actual Value)	0-\$600
Room Deposit (per semester/non-refundable)	\$100.00
Theses and Dissertations	
Dissertation Continuation	\$25.00
Thesis Continuation	\$25.00
Traffic Fines	\$15.00-\$200.00

*Fees subject to change without notice

Fee Payment

Bills will not be mailed. Access myTSU (<http://myTSU.tnstate.edu>) to view account balances. All fees must be paid at the time of registration unless covered by authorized deferment. Personal check or American Express, MasterCard and Visa credit card payments are accepted on myTSU (<http://myTSU.tnstate.edu>).

It is the policy of Tennessee State University to electronically convert and process all paper checks received via Point of Purchase, mail or drop box using the Automated Clearing House (ACH) Network, under the rules governed by the National Automated Reserve Bank. Personal checks, cashier/bank checks, money orders, or completed Fee Waiver or Employee Discount or Dependent program forms may be mailed to:

TSU
3500 John A. Merritt Blvd.
P.O. Box 9621
Nashville, TN 37209

Payments should be mailed seven days prior to scheduled deadlines. Entering courses without paying fees does not constitute enrollment.

Financial Regulations

Students will not be permitted to register for the new semester or remain in residence halls any semester in which their financial obligations are not satisfactorily met.

No student will be given a diploma or any grade reports until all financial obligations are paid in full.

Transcripts are sent out only after all financial obligations to the University have been satisfied. Students registering for graduate credit must pay appropriate fees. All laboratory fees must be paid in full. Refer to a printed or online Class Schedule for a given semester for current Financial Regulations.

Persons Over 60 Years of Age and Totally Disabled Persons

Pursuant to TCA 49-7-113, disabled persons suffering from a permanent disability which totally incapacitates such persons from working at an occupation which brings him/her an income, and persons who will become sixty (60) years of age or older during the academic semester in which such persons begin classes (and who are domiciled in Tennessee) may audit courses at the University without paying tuition charges, maintenance fees, student activity fees, or registration fees; however, this privilege may be limited or denied by the University on an individual classroom basis according to space availability. Prior to admittance, the University may require an affidavit or certificate from a physician or an agency charged with compensating the disabled person or adjudicating the permanent total disability of the person who is requesting admittance to classes, to confirm that such person is permanently and totally disabled.

Disabled persons, as defined above, and persons who become sixty-five (65) years of age or older during the academic semester in which such persons begin classes (and who are domiciled in Tennessee) may be enrolled in courses for credit at the University. For credit, a fee equal to 50% of the per hour rate with a maximum of \$70.00 per semester may be charged. Admissions will be limited on an individual classroom basis according to space available. Eligible persons are advised to check with the Office of Admissions and Records prior to attempting to register for courses, as special provisions must be made for them during registration.

Refund Policy

- I. The refund policy for the fees, outlined in the Fee section of the Class Schedule is outlined below:

- A. 100% of the fees will be refunded for classes canceled by the University.
 - B. 100% of the fees will be refunded in case of a student's death.
 - C. No refund of rent, tuition or other fees will be made to students who are dismissed or suspended.
 - D. The parking permit fee is non-refundable.
- II. The refund policy for all other fees is outlined below:
- A. 100% of the fees will be refunded for drops or withdrawal prior to the beginning of the first day of classes.
 - B. 75% of fees will be refunded for drops or withdrawals from the first day of classes through the (14th) fourteenth calendar (including weekends) day of classes.
 - C. 25% of fees will be refunded following exhaustion of the 75% period, for a period of time extending 25% of the time period covered by the term. If the refund date falls on the weekend, drops or withdrawals must be processed by the previous Friday.

Appeals Procedures for Fees and Refunds

A student may appeal the assessment, application, calculation or interpretation of any University fee, charge, deposit, or refund, or any University action connected with fees or charges. Questions should be discussed with personnel in the Bursar's Office. If the student is not satisfied with the resolution of the problem offered by the Bursar's Office, a written appeal can be made to the Associate Vice President for and Finance.

Residency Classification

The Admissions Office is charged with the determination of a student's residency status for fee-paying purposes and as the basis for some University admission requirements. Classification is determined by information submitted on the admission application and/or application for re-classification (Change in Residency Application). Notification in writing is made soon after the student applies for re-classification.

The deadline dates are:

- Summer Session April 1
- Fall Semester July 1
- Spring Semester November 1

All decisions are based on regulations established by the Tennessee State Board of Regents, with the intent that all Tennessee public institutions of higher education apply uniform classification rules. Should a student be denied in-state classification, the student has the right to appeal. The appeal steps are

1. Dean of Admissions and Records
2. Vice President for Academic Affairs
3. President of the University

4. Tennessee Board of Regents

FINANCIAL ASSISTANCE

ASSISTANTSHIPS AND FELLOWSHIPS

A number of Graduate Assistantships are offered in many areas of study. To be eligible for a Graduate Assistantship, students must be unconditionally admitted to a degree program, enrolled fulltime, and making progress toward the degree. To retain their Assistantships, students must maintain at least a 3.0 cumulative grade point average. Graduate Assistants are required to work approximately 20 hours per week. Those assignments may include some instructional assistance (teaching assistants are usually doctoral students), research assistance, or administrative assistance. Appointments provide a monthly stipend and most include tuition and fees. Information and application may be obtained from the department in which the student plans to study or from the Graduate Studies Office. Nonresident assistants appointed for the preceding spring semester are eligible for in state fees for summer whether or not the student holds an assistantship in that summer term.

THE WALTER STROTHER DAVIS SCHOLARSHIP AWARD

In memory of Dr. Walter S. Davis, President of Tennessee State University, 1943-1968, Mrs. Ivanetta Davis, his wife, and Dr. Ivan Davis, his son, established the Walter Strother Davis Scholarship Fund. Each spring semester, a \$1,000.00 scholarship is awarded to the Tennessee State University graduate who has demonstrated the ability for advanced study and research. The award must be used for study leading to the Master's degree at Tennessee State University. The scholarship is available only to students eligible for the May graduation. Eligibility is further limited to those students who have a Grade Point Average of 3.75 for the May Graduation. The deadline for application is April 1. Persons desiring more information or application forms should write to the Dean of Graduate Studies and Research. FINANCIAL AID Federal funding for graduate students is limited. Students with outstanding need are advised to consider the possibility of more than one type of aid, and are urged to also seek alternative sources of aid outside the university. To provide a standardized and unbiased financial needs assessment, Tennessee State University adheres to federal guidelines. Therefore, the Free Application for Federal Student Aid (FAFSA) needs to be submitted to be considered for Federal aid and institutional funds each academic year. The FAFSA can be completed at www.fafsa.gov. The Office of Financial Aid is located in Suite 343, Floyd Payne Campus Center, Tennessee State University, 3500 John A. Merritt Boulevard, Nashville, TN 37209-1561 (phone: 615-963-5701).

FEDERAL DIRECT STUDENT LOAN PROGRAM

An unsubsidized loan is awarded to students regardless of financial need, and interest is charged from the time the loan is disbursed. A Graduate Plus loan is awarded to a student after an approved credit decision has been received. Direct Loans are awarded to regular students enrolled in an eligible program of study at least half time; other general eligibility requirements must be met. Students never qualify for more than the cost of attendance for the college or the annual loan limit. For eligibility requirements, borrowing limits, and application process visit the Financial Aid section on the University webpage (www.tnstate.edu), the U.S. Department of Education (www.student.gov), or a representative available in the Office of Financial Aid.

FEDERAL WORK-STUDY PROGRAM

The Federal Work-Study Program provides jobs for graduate students with demonstrated financial need, who need income to help pay for their cost of education. The Program provides an approved, pre-determined amount for work performed on campus in academic or administrative offices. The application requires completion of the FAFSA.

STUDENT AFFAIRS

Tennessee State University, through its Division of Student Affairs, seeks to assist students in enhancing the effective use of the varied opportunities made available to them through the University experience. The University recognizes the diverse and varied educational objectives of its students and the need to offer programs and services designed to assist students in their decision making and formulation of academic and co-curricular objectives.

STUDENT HANDBOOK

The TSU Student Handbook is a means of facilitating communication among the members of the University. It serves as a source of information which will help the student understand his/her privileges, rights, and responsibilities, and university policies. The Student Handbook is published on the University website at: http://www.tnstate.edu/campus_life/. There are a limited number of printed copies available for freshmen and student services in the Office of First Year Students located in the Harold M. Love-Learning Resources Center Building, Room 103.

COUNSELING CENTER

Counseling services regarding vocational, educational, and personal problems are available to students. Professional counselors are available to meet with students on either an individual or small group basis. Students may visit the Counseling Center on a voluntary basis, without referral. Confidentiality is maintained, and appointments can be made in person or by telephone. Appointments should be made with the receptionist in the Counseling Center, located in Queen Washington Health Center, on the Main Campus. The phone number is 615-963-5611.

STUDENT HEALTH SERVICES

The Student Health Service is maintained to safeguard the health of students. The University provides these services in Kean Hall, Room 304, Third Floor, Main from 8 a.m. to 4:30 p.m. Monday through Friday (phone: 615 963-5291). Services include first aid, emergency services, counseling on health problems, referrals, and the communication of pertinent information to consulting physicians, hospitals, clinics and other agencies. Clinics are held daily, Monday through Friday, by a physician who examines, administers or prescribes treatment and medication. No charges are made for first aid and drugs used in simple treatment. Students suffering from complex medical/surgical problems are hospitalized at local hospitals of their choice (at their own expense). The University accepts no responsibility for any student requiring hospitalization. Therefore, students are strongly encouraged to enroll in the student health insurance program. Insurance enrollment information is located in the Student Health Center and Student Affairs Offices. 21

WELLNESS CENTER

The Ralph H. Boston Wellness Center is designed to maximize our student's individual health and fitness and to establish lifestyle patterns that promote healthy living. Connected to the Gentry Athletic Complex, currently the Wellness Center provides individualized programs and health education. Equipped with cardio-vascular and free-weight exercise equipment, group

fitness classes, swimming, water aerobics and intramural sports, the Wellness Center offers a wide array of activities to meet the needs of our students, faculty, and staff. The wellness center also houses The Tiger Pantry, which is designed to supplement for any TSU student who may be experiencing hunger or struggling to buy food and other personal items.

SERVICES FOR STUDENTS WITH DISABILITIES

The Office of Disability Services seeks to coordinate university-wide services available to students with current medical/psychological documented disabilities. Services range from providing physical accommodations on campus to helping students with learning disabilities succeed in classroom activities. Additionally, the office attempts to:

- Raise the level of educational development for students with disabilities.
- Improve understanding of and support from the University community for students with disabilities.
- Enhance and refine within the Office of Disability Services a basic service program focused on students with disabilities.
- Place emphasis on orientation and survival skills for new students and others who might benefit from these experiences.
- Enrich and expand the learning disabilities tutoring program.
- Monitor development of the physical plant to ensure accessibility and opportunity for students with disabilities.
- Help faculty and staff better understand physical and learning disabilities and provide them with effective methods of working with students with disabilities.
- Use every available opportunity to advocate for special needs of students with disabilities and to seek a means to obtain those services

For further information, contact the Office of Disability Services in room 131 in the Floyd-Payne Campus Center (phone: 615-963- 7400).

HOUSING

A limited quantity of on-campus housing is available for graduate students. Prospective or current students can call 615-963-7256 in order to request additional information.

POLICY ON ID CARDS

The T.S.U. Identification Card is your official University identification throughout your entire enrollment. This card is your means of identification for library privileges, athletic events and any other University function or services that you may be entitled to receive as a University student. This card is permanent and is to be carried at all times; it is to be presented to secure services and to authenticate privileges at any University facility. There will be a non-refundable fee of \$10.00 charges for lost, stolen or mutilated cards. The fee should be paid at the Cashier's Office and your receipt should be taken to the ID station. Lending this card to anyone or failure to present it when requested by University officials is a violation of University regulations and subjects the holder to disciplinary action.

LIBRARIES AND MEDIA CENTERS

The Martha M. Brown-Lois H. Daniel Library is adjacent to the Floyd-Payne Campus Center. The main library is a three-story, contemporary structure built in 1977. It has 82,000 square feet of space which include a Multimedia Learning Commons that features Apple computers and printers for group or individual projects. Although there are 82 computers available for public use, the online catalog and databases are accessible remotely and via mobile technology. In addition to its status as a government documents depository, the Library has a Special Collections Department which houses theses, dissertations, and art objects. It also has collections which include documents, artifacts, and memorabilia related to the University's colorful history and its alumni. The Library houses 234,421 book volumes and provides subscriptions to 624

print periodicals. It provides access to 287, 244 ebooks and 202 databases. The Media Centers on the main and downtown campuses offer state-of-the-art media support which includes podcasting, digital recording and video projects assistance. Access to a full-range of services, including print and electronic books, print and electronic periodicals, and research databases is also available at the downtown Avon N. Williams, Jr. facility.

TESTING CENTER

Comprehensive testing services are offered to Tennessee State University students, staff, and faculty, as well as to the general public. The testing staff administers and scores a wide range of standardized tests related to counseling, advanced placement, measurement, proficiency testing, undergraduate admissions, and graduate admissions. Location: Holland Hall, Suite 200, 3500 John. Merritt Blvd. (phone: 615-963-5991 or 615-963-7113).

INTERNATIONAL STUDENT SERVICES

The Office of International Affairs program at Tennessee State University provides technical assistance to all foreign students in connection with their status in the United States and their communication with the United States Immigration Service and their various Embassies. Also, students are assisted with official communications to their respective home governments, including clearance for foreign currency exchange. In addition, foreign students may contact the office assist them in their cultural assimilation into the lifestyle they experience in the United States and to assist them with other needs they may have specific to their status. Location: Room 106, Crouch Hall, Main Campus (phone: 615-963-5640). 22

CAREER DEVELOPMENT CENTER

Located in suite 304 of the Floyd-Payne Campus Center, the TSU Career Development Center assists students in pursuing their career goals by providing them with a myriad of opportunities and empowering them to successfully compete in the global environment. Our services include career advising on various employment related topics; professional development; corporate company engagement activities and experiential learning. These services are free to all students and alumni of the University. Our center hosts Tiger Track, an on-line job posting site, where students can review job postings for full-time, part-time and experiential learning (internships, cooperative education, etc.) positions, in addition to posting their resumes and creating electronic portfolios. Tiger Track is an outstanding resource that can be used by graduate students and alumni throughout their working lives. Additionally, we offer cooperative education, an academic support program that assists students in gaining practical work experience related to their academic major as an optional part of their academic program. Students are awarded three hours of academic credit for each successfully completed co-op work experience

GRADUATE STUDENT ORGANIZATIONS STUDENT ASSOCIATION OF GRADUATE EDUCATION

The purpose of the Student Association of Graduate Education (SAGE) is to promote research, quality education and academic fellowship among graduate students in education. It is housed in the College of Education. Interested students should contact the Office of the Dean of the College of Education.

HONOR SOCIETIES

Phi Kappa Phi and Alpha Kappa Mu are national honor societies open to students in all disciplines. The societies recognize outstanding academic achievement in undergraduate and graduate students.

In the College of Education, there are two honor societies: Psi Chi and Phi Delta Kappa.

Psi Chi is the National Honor Society in Psychology. Since Psi Chi was founded in 1929 as an affiliate of the American Psychological Association and as a member of the Association of College Honor Societies, 326 chapters have been established in colleges and universities of recognized and accredited standing in 49 states. Most of its active members are students. About half of these are undergraduates majoring or minoring in psychology and half are psychology graduate students and faculty members. All are persons whose scholastic prowess must have been demonstrated prior to the rites of initiation. Graduate students elected to Psi Chi at Tennessee State University must have obtained an average grade of 3.40 or better in all graduate courses, with a minimum of eight (8) semester hours of psychology completed, and three letters of recommendation. Regular induction ceremonies are set in the Spring Semester of each academic year. Further information is available from the Department of Psychology. Phi Delta Kappa is a professional education fraternity for those with careers in education. The goals of the fraternity emphasize research and scholarship. One has to be invited to be initiated by a current member.

Sigma Theta Tau International, Pi Upsilon Chapter is the National, International Honor Society in Nursing. The Society recognizes superior achievement, leadership qualities, creativity, and commitment to the ideals and purposes of the profession. Eligibility requires a 3.5 GPA.

Pi Alpha Alpha (PAA) is the global honor society for Public Affairs and Administration. There are more than 160 chapters located around the world at NASPAA member schools, including Tennessee State University. The purpose of PAA is to encourage and recognize outstanding scholarship and accomplishment in public affairs and administration. Its objectives, such as fostering integrity, professionalism, and effective performance, promote the advancement of quality in the education and practice of the art and science of public affairs and administration. PAA membership is available to those with the highest performance levels completing the University's M.P.A. and Ph.D. in public administration programs. Contact the Department of Public Administration for more information.

PROFESSIONAL ORGANIZATIONS

Those preparing to teach or work in certificated areas in school settings are encouraged to join the Student Tennessee Education Association (SEA). Tennessee State University has a very active chapter of this professional organization, which is the student arm of the National Education Association. The Tennessee State University Chapter won first place in 1990 as the "Outstanding SEA Chapter" in Tennessee. Membership forms may be obtained from the Office of the Dean of the College of Education or the SEA Advisor. The Graduate Psychology Student Organization (GPSO) is open to current Tennessee State University graduate students in Psychology. The purposes of this organization are to: 1. Establish and promote relations between graduate psychology students and faculty; 2. Act as representative for all graduate psychology students in the pursuit of excellence in the professional preparation of psychologists; 3. Unify students through educational and social functions; 4. Establish clear communication avenues between the University administration, faculty, and students; 5. Aid the interchange of ideas between students and professionals, and 6. Promote and uphold the interest of students and aid

faculty by participation in the administrative processes. Further information is available from the Department of Psychology.

Access to Educational Records

EDUCATIONAL RECORDS

Educational Records are defined as those records, files, documents, and other materials which (1) contain information directly related to a student; and (2) are maintained by Tennessee State University or by a person acting for the University. "Records" means information recorded in a medium, including but not limited to the following: handwriting, print, tape, film, microfilm, and microfiche. Educational records do not include (1) personal notes, (2) records available only to law enforcement personnel, (3) employment records, (4) medical and psychiatric records (these are accessible by the student's physician). All credentials become the property of the University and will not be forwarded or returned. Credentials will be maintained in active files for a 12-month period after which credentials will be relegated to inactive status and must be submitted again before an admission decision will be made. The applicant is advised to have all credentials on file well in advance (preferably thirty days) of the registration period for the term for which application is made.

STUDENT

A student is any person who is or has been enrolled at Tennessee State University. An applicant who does not enroll or who is declared ineligible has no inherent right to inspect his file. Wherever "student" is used in reference to personal rights, an eligible parent of a dependent student has similar rights. This "eligible" parent is one who has satisfied Section 52 of the Internal Revenue Code of 1954, and who presents such proof to the custodian of the educational records. Normally, this proof will be written affirmation by the student and the parent declaring that the student is a dependent for federal income tax purposes.

DIRECTORY INFORMATION

Directory information is defined as: "name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees, and awards received, and the most recent previous educational agency or institution attended by the student." At the time a student registers for courses, the student may notify the Office of Admissions and Records (this must be done in writing) that directory information for the student may not be released. This notification is effective only for the semester for which the student is then registering.

ACCESS

To have access to an Educational Record is to be allowed to see the original record. This implies the right to obtain copies of that record.

RELEASE OF PERSONALLY IDENTIFIABLE STUDENT EDUCATIONAL RECORDS

Tennessee State University shall not permit access to, or release of, any information in the Educational Records of any student that is personally identifiable, other than Directory Information, without the written consent of the student, to any other than the following:

1. Tennessee State University officials and staff who have legitimate educational interest; Education records and personally identifiable information obtained from those records may be

disclosed without the student's consent to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic, research, or staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill institutional duties.

2. Officials of other schools in which the student seeks admission;
3. Appropriate persons in connection with a student's application for or receipt of financial aid;
4. Federal or State officials as defined in paragraph 99.37 of the regulations concerning the law;
5. State officials and officials authorized by State statute;
6. Organizations conducting studies for or on the behalf of Tennessee State University for the purpose of assisting in accomplishing the University's stated goals, when such information will be used only by such organizations and subsequently destroyed when no longer needed for the intended purpose;
7. Accrediting organizations to carry out their functions;
8. Parents of dependent students as defined in Section 152 of the Internal Revenue Code of 1954 (Written consent may be allowed from either of the separated or divorced parents subject to an agreement between the parents or court order. In the case of a student whose legal guardian is an institution, a party independent of the institution, appointed under state and local law to give parental consent, may be allowed to do so.)
9. In compliance with judicial order or subpoena, provided the student is notified in advance of the compliance; or
10. Appropriate persons in connection with an emergency, if knowledge is necessary to protect the health or safety of a student, or other persons.

With the exception of Tennessee State University officials and staff who have been determined by the University to have legitimate educational interest, all individuals and agencies that have requested or obtained access to student's records will be noted in a record which is kept with each student's educational record. A request must be in writing stating the purpose of the request. This record will also indicate specifically the legitimate interest that the persons or agency had obtaining the information.

PROCEDURES FOR ACCESSING EDUCATIONAL RECORDS

The student requests the custodian to allow him or her to inspect the Educational Record. The student may ask for an explanation and/or copy of the Educational Record. The price of copies shall not exceed the cost of duplication of the record. After consultation with the custodian, errors may be corrected at that time by the custodian. If there is a disagreement between the student and the custodian as to the correctness of the data contained in the record, the student, after exhausting reasonable means of reconciliation with the custodian, may submit a request for a formal hearing. The request and the formal challenge to the content of the records must be presented in writing to the chairman of the University Appeals Committee. The chairman shall

call a meeting of the committee or place this matter on the agenda for the scheduled meeting no later than forty-five days after receipt of the written appeal and challenge. The committee will allow the student to present evidence to substantiate his or her appeal and shall render a written decision to the student within forty-five days after the meeting. This procedure does not provide for a hearing to contest academic grades.

ACCESS DOES NOT INCLUDE

1. Financial records of parents or any information therein;
2. Confidential letters and statements of recommendation which were placed in the Educational Records of the student prior to January 1, 1975.
3. Records to which access has been waived by a student. (This applies only if a student, upon request, is notified of the names of all persons making confidential recommendations and if such recommendations are used solely for the purposes that they were intended.)

DESTRUCTION OF RECORDS

Educational Records may be destroyed except that a student shall be granted access prior to the destruction if such is requested.

Admissions Regulations Policies

All students desiring to enroll for graduate study must apply through the Office of the Dean of Graduate and Professional Studies.

Admission to the Graduate School permits the applicant to enroll in graduate courses for which the applicant is prepared, but does not imply that the applicant will be approved for admission to a degree program or to candidacy for a graduate degree.

Application Deadlines

Priority application deadlines for all programs, except Biological Sciences, Ph.D., Counseling Psychology, M.S., Criminal Justice, Nursing, Psychology, Ph.D., Occupational Therapy, Physical Therapy, and Speech Pathology:

Fall Semester	July 1
Spring Semester	November 1
Summer Semester	April 1

Priority application deadlines for international applicants:

	Applicants Abroad	Applicants in the U.S.
Fall Semester	April 1	June 1
Spring Semester	Sept. 1	Oct. 1
Summer Semester	Feb. 1	March 1

Submission of complete applications by the above priority deadlines will ensure consideration by the admission committees.

For the following programs, all application documents must be submitted by the deadline indicated below to be considered by the admission committees.

Criminal Justice:

Fall Semester	June 15
Spring Semester	November 1
Summer Semester	April 15

Nursing:

Summer Admission	February 15
Spring Admission	October 15
Fall Admission	June 15

Speech Pathology:

Fall Admission Only	February 1
---------------------	------------

Biological Sciences Doctoral Program:

Fall Admission only	March 15
---------------------	----------

Occupational Therapy: February 15

Physical Therapy: October 1

Psychology

Doctoral Program:

Fall Admission Only	December 1
---------------------	------------

Masters
Psychology

Fall Admission Only	February 1
---------------------	------------

Professional School Counseling (M.S.)

Fall Admission Only	February 1
---------------------	------------

Late applicants are not guaranteed placement in specific classes (see the section on "Non-degree Students").

General Requirements for Admission to Graduate Studies

1. Submit a completed application for admission and pay application fees through one of the following centralized application service (CAS):
 1. GradCAS, (M.S., Agriculture Sciences, M.S., Biology, M.S., Chemistry, M.Ed, Education, M.A.Ed. HPSS, al Sciences, M.C.J., M.P.A., M.P.H., M.P.S., P.S.M., Ph.D. Biological Sciences, Ph.D. Public Policy & Administration, Executive Leadership Certificate, GIS Certificate, Health Administration & Planning Certificate, and Non-Profit Management Certificate) - \$35.00
 2. BuSCAS (MBA) - \$48.00
 3. EngineeringCAS (M.E. Engineering, MS, Computer Science, MS, CISE, Ph.D., CISE) - \$68.00
 4. PsyCAS (MS and Ph.D. in Psychology) - \$50.00
 5. NursingCAS (MSN and Nursing Certificates) - \$200.00
 6. PTCAS (DPT) - \$150.00
 7. OTCAS (MOT) - \$150.00
 8. CSDCAS (MS. Speech and Hearing Science) - \$128.00
 9. Social Work CAS (MSW) - \$75.00

NOTE: With the exception of GradCAS, all other CAS applications require an additional \$35.00 TSU fee)

2. A baccalaureate degree from an accredited college or university which offers undergraduate programs which are prerequisites for the degree program at Tennessee State University.
3. Official transcripts from the registrar(s) of all colleges and universities attended (including Tennessee State University) sent to the appropriate CAS application portal.
4. Program specific materials (e.g. test scores, letters recommendations, statement of purpose, etc.). See program specific requirements in the appropriate section of the catalog.

Note: Consult the Graduate School Web site (www.tnstate.edu/graduate) for any changes in admissions standards approved after the preparation of this Catalog.

Falsifying Academic Records

It is a Class A misdemeanor to misrepresent academic credentials. A person commits the offense of misrepresentation of academic credentials who, knowing that the statement is false and with the intent to secure employment at or admission to an institution of higher education in Tennessee, represents, orally or in writing that such person:

1. Has successfully completed the required course work for and has been awarded one (1) or more degrees or diplomas from an accredited institution of higher education;
2. Has successfully completed the required course work for and has been awarded one (1) or more degrees for diplomas from a particular institution of higher education; or

3. Has successfully completed the required course work for and has been awarded one (1) or more degrees or diplomas in a particular field or specialty from an accredited institution of higher education.

Proof of Immunization

The State of Tennessee requires students entering college to provide proof of two (2) doses of measles, mumps, and rubella (MMR) vaccine on or after the first birthday, or proof of immunity to measles if the date of birth is 1957 or after. Students will not be allowed to register for classes until the appropriate form is filed in the health center. For additional information, contact: the Health Center at (615) 963-5291.

The State of Tennessee as of July 1, 2002, requires all new incoming students to obtain an inoculation for meningococcus or sign a waiver stating that they do not want the vaccine. This is an act to amend Tennessee Code Annotated, Title 49, relative to vaccinations for meningococcal disease. Students with asthma, diabetes or other chronic health problems should make arrangements with their primary care provider to receive flu shots.

Note: As of Fall 2003 TSU will begin a Hepatitis awareness campaign. Students are urged to get vaccinated for Hepatitis A and B. Students and parents should contact their Primary Care Provider for this immunization.

Requirements for Admission to Doctoral Programs

Applicants for doctoral programs have only one category of admission: Unconditional. Specific admission requirements for the Ed. D. programs in the Educational Leadership, Curriculum and Instruction, and the Ph.D. programs in Computer Information and Systems Engineering, Biological Sciences, Psychology and Public Administration can be found in the appropriate sections of this Catalog. See also the table Program Requirements for Admission to Graduate Programs.

Requirements for Admission to Specialist in Education Program

Applicants for the Specialist in Education Program have one category of admission: Unconditional. See Departments of Educational Administration and Psychology.

Requirements for Unconditional Admission to Master's Degree Programs

Admission to a Master's Degree program requires:

1. Meeting the General Requirements for admission to graduate study, above.
2. An undergraduate grade point average of at least 2.50 on a 4.00 system of grading (exceptions: Business Administration M.B.A. program, Engineering M.E. program, Master of Public Health M.P.H. program, Computer and Information Systems Engineering M.S. program, and Nursing, MS.N.
3. An acceptable score on the Graduate Record Examination (GRE), the Miller Analogies Test (MAT), (exceptions: Master of Science in Nursing) Fundamentals of Engineering (FE), the Graduate Admissions Management Test (GMAT), or other approved tests as required for admission to the specific degree program for which application is being made. (See the table Program Requirements for Admission, and the admission requirement for a specific degree program which may be found in this Catalog under the appropriate school or college.). Test scores must not be more than five years old.

4. Meeting all additional program or department admission requirements (e.g., letters of recommendation, applicant essay, completion of undergraduate prerequisite coursework, etc.) indicated in this Catalog noted under graduate program descriptions.
5. Good standing in the last school attended.
6. Acceptance by the graduate program/department and the Dean of the School of Graduate & Professional Studies, and receipt of a letter of acceptance from the Dean of the Graduate School.

Conditional Admission to Master's Degree Programs

Conditional Admission into a Master's Degree program may be granted temporarily by the Dean of Graduate Studies and Research upon the recommendation of the graduate program/department. Continuation in the program as a degree-seeking student is contingent upon fulfilling specific requirements stipulated in the conditional admission letter.

The following are the circumstances in which Conditional Admission may be granted (see departmental sections for information on Conditional Admission to specific programs - some programs do not grant Conditional Admission):

1. Those that have a limited number of deficiencies in undergraduate course prerequisites. These deficiencies must be removed before enrollment in graduate courses of the same series.
2. Graduates of accredited colleges who have not taken the Graduate Record Examination, Miller Analogies Test, or other entrance tests before admission. Applicants admitted to degree programs must take any standardized test required (as specified by degree program requirements) during the first semester of enrollment in courses for graduate credit.
3. Graduates of recognized four-year colleges not accredited when the bachelor's degree was awarded. Such applicants must:
 - a. present a record of superior scholarship on the undergraduate level
 - b. present unqualified recommendations from their undergraduate advisors; and,
 - c. submit an official report of performance on there, MAT or the GMAT or another required test.
4. Students who present a grade point average below 2.5 must at the time of application submit standardized entrance exam scores which qualify them for admission (see departmental sections for specific score requirements). After admission, those students are required to take nine (9) semester hours of course work specified by the graduate coordinator of the programmatic major field. If a 3.00 grade or quality point average is attained, the student is permitted to petition for a change of classification.

Note: The Master of Science in Nursing does not admit students with a GPA lower than 2.5

Students who have been conditionally admitted to a master's program must satisfy all stipulated conditions by the time a program of study is filed or prior to accumulating a maximum of 15 graduate hours. A test score condition must be met within the first semester of enrollment in

courses for graduate credit. A maximum of 15 hours of graduate work will be counted toward the degree when admission requirements are met.

Non-Degree Admission

Applicants must meet general admissions requirements of the Graduate School and must have met all prerequisites for the courses in which they seek enrollment. Non-degree admission to the Graduate School is granted to those who wish to enroll in courses but do not intend to qualify for a degree. The non-degree admission category includes those entering Graduate School for these purposes:

1. to complete certification requirements, students should consult with the certification officer in the College of Education;
2. to earn thirty plus (30+) hours beyond the Master's degree;
3. to enrich their professional development;
4. to transfer credits earned to a degree program at another institution.
5. to take courses pending admission to a degree program(9 hour maximum)
6. to enroll in any of the seven graduate Certificate Programs currently offered by the University.

Credits earned in the non-degree category are not ordinarily requirements for degrees. If subsequently, a student classified as non-degree is accepted into a degree program, the student may by petition, if approved, carry forward not more than nine (9) semester hours of credit previously earned as a non-degree student in graduate-level courses, provided that the grade in each course is not less than 3.0.

Departments may restrict non-degree students from designated courses only. Non-degree students must have the approval of the department head (or designee) to enroll in a class.

Degree Program Admission Requirements				
Refer to individual Programs in this catalog for more specific information				
College/ Major	Degree Offered	Letters of Reference	Required Test	Other
College of Agriculture				
Agricultural and Environmental Sciences	M.S.	3	GRE - (V, Q) & S or MAT	Personal Statement
Food and Animal Sciences	M.S.	3	GRE - (V, Q& S)	Personal Statement

Biological Sciences	Ph.D.	3	GRE - (V, Q &S)	Personal Statement
Chemistry	M.S.		*GRE - (V. Q, & S)	
Professional Science Masters	P.S.M.	2	GRE (V&Q)	Personal Statement
College of Business				
Business Administration	M.B.A.		GMAT	
College of Education				
Educational Leadership	M.Ed.	1	*GRE - (V. Q, & S) or MAT	Licensure: Teaching Certificate, Portfolio Items
	Ed.S.	1	GRE - (V & Q) or MAT	Licensure: Teaching Certificate, Portfolio Items
	Ed.D.	4	GRE - (V & Q) or MAT	Resume/CV - Writing Sample
Curriculum & Instruction	M.Ed.		*GRE - (V. Q, & S) or MAT	
	Ed.D.	4	GRE - (V & Q) or MAT	Resume/CV - Writing Sample
Special Education	M.Ed.		*GRE - (V. Q, & S) or MAT	
Psychology	M.S.	3 (Counseling Psychology only)	*GRE - (V. Q, & S) or MAT	Personal Statement (Counseling Psychology only)
	Ph.D.	3	GRE - (V & Q) or MAT	Resume; Supplemental Application (Counseling Psychology only)
Professional School Counseling	M.S.	3	*GRE - (V. Q, & S) or MAT	Statement of Purpose

College of Engineering				
Engineering	M.E.	2	FE (if GPA is less than 2.74 on 4.0 system)	
Computer, Information, and Systems Engineering	M.S.	2		
Computer Science	M.S	2		
Computer & Information Systems Engineering	Ph.D.	3	Letter of Intent	
College of Health Sciences				
Human Performance & Sports Sciences	M.A.Ed.		*GRE - (V. Q, & S) or MAT	
Nursing	M.S.N.	3		Personal Statement; Resume, Documentation of current professional nursing experience
	M.S.N./RODP	3		Personal Statement; Resume, Documentation of current professional nursing experience
Occupational Therapy	M.O.T.	3	GRE - (V&Q)	Personal Essay
Physical Therapy	D.P.T.	2	GRE - (V, Q)	Onsite Essay and Interview
Public Health	M.P.H.	3	GRE	Personal Statement
Speech & Hearing Science	M.S.	3	GRE - (V & Q) or MAT	Statement of Intent

College of Liberal Arts				
Criminal Justice	M.C.J.		*GRE - (V & Q) or MAT	
College of Life & Physical Sciences				
Biology	M.S.	2	GRE - (V & Q)	
Biological Sciences	Ph.D.	3	GRE - (V.Q, & S)	Personal Statement
Chemistry	M.S.		GRE - (V, Q & S)	
College of Public Service				
Public Administration	M.P.A.	3	GRE - (V&Q)	Statement of Purpose
	Ph.D.	3	GRE - (V&Q)	Statement of Purpose; Writing Sample
Professional Studies	M.P.S./RODP	3	GRE - (V, Q, & W)	Statement of Purpose
Social Work	M.S.W.	3	GRE	Essay Questions
* Total Minimum required a score on "V & Q" is acceptable.				

Non-Degree Students

The Dean of Graduate Studies and Research is the Advisor for non-degree students not pursuing certification or licensure. These students are those who have checked "NON-DEGREE" on the Application for Admission. They may also be classified as students earning thirty hours or more beyond the master's, students qualifying for certification, students earning credit to transfer to another university (transient students), or students pending acceptance into a degree program.

If any of these students desire to change their status to degree-seeking, they must complete a "Change of Program or Personnel" form or an application for admission to the Graduate School, submit all required documents such as test scores, and subsequently be recommended for admission to the graduate degree program by the Graduate Faculty in that unit, in accordance with individual departmental program requirements.

Procedures for Admission

A prospective student should apply for admission at least six weeks before the beginning of the semester in which the student wishes to enroll. The applicant who does not enter the Graduate School during the term of admission indicated on the application form must re-apply. The procedures for admission are these:

1. Complete Online Graduate Admission Application Form or Copy of Graduate Admission Application Form available in the Graduate School Office. Select one major from the list provided on the application form, check the semester of enrollment, and indicate the degree sought;
2. Pay \$35.00 application fee online or return the completed application form with the \$35.00 non-refundable fee to the Graduate School;
3. Request the registrar(s) of all colleges and universities attended (including Tennessee State University) to send one official transcript to the Graduate School;
4. Submit official copies of all test scores appropriate to the degree program to the Graduate School.

All documents, including transcripts submitted for admission, become the property of the University and will not be returned.

A person, who wishes to take courses for graduate credit, whether or not that person desires to become a candidate for a degree, must make a formal application for admission to the Graduate School.

Procedures for Readmission of Graduate Students in *Good Academic Standing*

Readmission applies to students in *Good Academic Standing* who have not been in continuous enrollment in Graduate School. For example, students who did not enroll in courses during the Fall or Spring semester of a given academic year must reapply for admission to the Graduate School. The procedures for readmission are:

1. Open the online application form using this link: https://lepton.tnstate.edu/pls/PROD/bwskalog.P_DispLoginNon. The application must be completed in its entirety.
2. If you attended another college or university during the time not enrolled at Tennessee State University, then you must request the Registrar at each college or university attended to send your to gradschool@tnstate.edu using the **Subject: Official Transcript**.
3. NOTE: these procedures **cannot be used** for *Readmission Following Suspension*.

Admission of International Students

The Graduate School accepts students from other countries who apply and meet University and United States admission standards.

International Applicants Must Submit

1. A completed application for Admission (online or paper application form) to Graduate School;

2. Certificates of proficiency in English or a minimum score of 525 (Paper Test) or 71 (Internet-based Test) on the Test of English as a Foreign Language (TOEFL); or 6.0 on the International English Language Testing System (IELTS)
3. Official transcripts or authorized school records with a listing of courses and grades received; such transcripts must have been evaluated by a foreign educational credential agency, at the student's expense;
4. Evidence of financial resources sufficient to provide tuition and fees for the academic year;
5. The \$35.00 non-refundable application fee;
6. Applicable test scores, such as GMAT, GRE, FE, MAT, etc. as required by specific program;
7. All international students applying for admission who have a student visa shall submit a certificate from a licensed physician or the qualified medical authority verifying freedom from tuberculosis within thirty (30) days from the first day of classes. Failure to submit such certificate shall result in denial of further enrollment or admission. In the event that the student either has tuberculosis or has potential tuberculosis requiring medical treatment, continued enrollment will be contingent upon the determination by a licensed physician that further enrollment does not present a risk to others and upon the student's compliance with any prescribed medical treatment program.
8. Note: It is mandatory that all F-1 students have health insurance upon enrollment for the duration of their studies. The policy must include a clause of Medical Evacuation and Repatriation of \$10,000 each.
9. After admission, copies of Visa or Alien Registration card must be submitted before the student may enroll.
10. Internationals transferring must submit to their current school the "Immigration Information" form for at least one day, before processing of an I-20.

Transient Graduate Students

Students who have been admitted to a degree-granting program at another institution and who wish to take courses for credit to be transferred to that institution must do the following prior to the date of registration:

1. Complete the "Permission for Enrollment as a transient Student" form or present a letter from the institution that states the student has been granted permission to take courses for credit to be transferred to that institution;
2. Complete the application for admission form provided by the Graduate School;
3. Pay the \$35.00 non-refundable application fee.

Residency Classification

The Admissions Office is charged with the determination of a student's residency status for fee-paying purposes and as the basis for some University admission requirements. Classification is determined by information submitted on the admission application and/or application for re-classification. Notification in writing is made soon after the student applies for re-classification.

The deadline dates are:

Summer Session April 1

Fall Semester July 1

Spring Semester November 1

All decisions are based on regulations established by the Tennessee State Board of Regents, with the intent that all Tennessee public institutions of higher education apply uniform classification rules. Should a student be denied in-state classification, the student has the right of appeal. The appeal steps are

1. Dean of Admissions and Records
2. Vice President for Academic Affairs
3. President of the University
4. Tennessee Board of Regents

Advanced Graduate Admission for Undergraduates

An undergraduate senior student at Tennessee State University with a minimum cumulative GPA of 3.0 who is enrolled in the last term of course work that will complete the requirements for a bachelor's degree, may request advanced graduate admission to enroll in 3 to 6 hours of graduate courses provided the total course load does not exceed 12 hours. Courses for seniors are limited to first-year graduate level courses. Graduate courses may not be used for credit toward an undergraduate degree. The Combination Senior is not considered a graduate student but may apply for admission to a graduate program upon completion of the bachelor's degree.

However, advanced admission to take graduate courses does not guarantee subsequent admission to a graduate program. Courses taken for graduate credit may count toward a graduate degree when/if the student is admitted to a degree program at TSU and if approved by the program's graduate coordinator and departmental chairperson. The form for Advanced Graduate Admission and an Application to the Graduate School must be completed six weeks prior to the beginning of the semester in which advanced admission is sought.

Auditing a Course

Students who plan to audit a course must indicate at the time of registering that they are auditing. The regular registration procedure is followed. Students are not held to attendance or evaluation requirements for the course, and credits earned by audit may not be used to meet degree requirements. The audit fee is the same as the credit fee.

Institutes, Workshops, and Special Programs

Applicants for admission to institutes, workshops, and other special programs which offer graduate credit must submit a graduate application, transcripts of all previous work, and a twenty-five dollar admission fee to Graduate School. Test scores are not required. An application for acceptance in the special program must be submitted to the program director. Successful applicants must receive written approval of both the director of the special program and the Dean of Graduate Studies. Credits earned in Institutes, Workshops, and Special Programs do not count

toward degree requirements, but may be acceptable by the State Department of Education for certificate renewal and thirty plus (30+) hours above the Master's degree.

Transfer Credit

At the master's level, a student may be allowed a maximum of twelve (12) semester or eighteen (18) quarter hours of graduate credit from another accredited college or university. At the educational specialist and doctoral level, a maximum of six (6) semester hours may be transferred. The Transfer of Credit form may be obtained from the departmental office. The course work being considered for transfer must be evaluated by the graduate coordinator, dean of the academic unit and the dean of the Graduate School. Only courses in which the student earned grades of "B" or better, and which are taken within the degree program time limit, will be considered for transfer. Credits earned in partial fulfillment of a previously completed degree program at Tennessee State University or any other institution may not be transferred or used for credit in another degree program.

Class Loads

Regular Students

Full-time status is attained when the graduate student enrolls in at least nine (9) credit hours in one semester. When a student enrolls in any courses for credit, the maximum class load for either the fall or spring semester shall be twelve (12) hours. Students may take up to fifteen (15) hours with an overload approval. The maximum load for either Summer Session I or Session II shall be six semester hours credit. Students desiring to carry an over-load must have the endorsement of the Major Advisor or the Dean of the College/School, and the Dean of Graduate Studies.

Second Master's Degree

Students may not be simultaneously enrolled in two Master's degree programs. Credits earned to fulfill requirements for the first Master's degree may not be used to satisfy any of the requirements for the second Master's degree, or reduce the number of hours for the second Master's degree.

Withdrawal from Classes and/or the University

The deadline for withdrawing from classes and/or the university is specified in the academic calendar for each semester.

The proper forms for withdrawing from a class will be provided by the Office of Admissions and Records. Withdrawal is official only after the form has been completed and submitted to the Office of Admissions.

If a student never attends a class officially registered for or stops attending a class without officially withdrawing, that student will be assigned a final grade of "F".

Academic Standards

Grading System for Graduate Degrees

Graduate instruction assumes that the student has both the interest and the ability to do independent study and research of outstanding quality. Thus, a graduate student must maintain a minimum average of "B" (3.0 quality/grade points on a 4.0 point system) in all graduate work. Course grades are: A, B, C, D, and F. In master's degree programs, grades less than "C" are

counted in compiling the general average, but they may not be included in the requirements for the degree. For information about "C's" in doctoral programs, please see specific program descriptions in this Catalog.

The grade of "I", incomplete, indicates that the student's work in a course is incomplete but otherwise satisfactory. The "I" grade must be removed from the graduate student's permanent record within one semester from the end of the term in which the "I" grade was awarded. If all requirements for removal of the "I" are not met within this period, the "I" grade will be changed to "F" by the Office of Admissions and Records. All enrollments in dissertation, thesis, or project writing courses shall carry the grade of "I" until the project is completed. The final letter grade is awarded to each previous enrollment where an "I" was awarded.

Grade Appeal

The University recognizes the right of a student to appeal a grade which she/he believes is incorrect and does not reflect the student's class performance. Issues related to harassment (sexual, racial, or other) should be referred to the Affirmative Action Officer.

Students who believe an incorrect grade was awarded should seek a resolution with the instructor as soon as possible. If the student is not satisfied after attempting to reconcile the matter with the instructor, the student may appeal to the head of the department. This appeal must be in writing, accompanied by all relevant supporting documents, and must be initiated within 30 calendar days of the beginning of the semester immediately following the semester in which the grade was awarded (excluding summer school).

The department head should provide a copy of the student's letter to the instructor and request a written response from the instructor. The instructor will provide the department head with a written response within 10 working days. (Exceptions will apply when the instructor is not teaching, as in summer session, or when the instructor is on leave.) In instances where an instructor indicates to a student that a grade adjustment is warranted, and fails to make the adjustment within ten working days, the student should inform the instructor's department head.

If the student is not satisfied with the decision of the department head, a further written appeal may be made to the Dean of the College/School. This appeal must be made within ten calendar days of the decision of the department head. After reviewing the appeal record, the Dean must render a decision within ten days of the receipt of the appeal, after which the Vice President for Academic Affairs is the final level of appeal.

If the instructor happens to be the department head or the dean, the appeal will be submitted to the next higher academic officer (that is, to the dean if the department head is the instructor or the Vice President if the dean is the instructor). In such cases the decision of the Vice President is final.

Grades, transcript information, drop/adds, withdrawals, and other data perceived by the student to be in error must be appealed by the student within thirty days. Appeals made after this time will not be reviewed.

"I" Grade Exception

All enrollments in dissertation, thesis, or project writing courses, except the last, shall be entered on the permanent records as "I". In Thesis Writing, only the last enrollment shall carry the letter grade and the number of credit hours earned. However, in dissertation writing, the final letter

grade is awarded to each previous enrollment where an "I" was awarded, up to the maximum number of hours set by the program.

Repeating a Course

A given course may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades. Departments may establish more restrictive policies.

Retention

A cumulative average of "B" (3.0 quality points) in all graduate courses taken at Tennessee State University is required for graduation or graduate certificate completion. Departments may establish more restrictive retention requirements.

Probation and Suspension

If a student has completed nine (9) or more semester hours of graduate work earning an average less than 3.0, that student will be placed on scholastic probation. Probationary status must be removed by raising the cumulative grade average to a "B" or better during the next nine (9) hours of graduate work following the probationary period. Failure to raise the cumulative grade point average to "B" or better will result in suspension from the Graduate School. Students who have been suspended may apply for readmission after one full semester. Summer terms are not counted toward this requirement.

Readmission After Suspension

Readmission is subject to the approval of the Dean of the Graduate School in consultation with the Graduate Council Appeals Committee, and with the appropriate graduate coordinator and Dean. Readmitted students, who fail to maintain a minimum cumulative average of "B" during any semester after readmission, will be dropped permanently from the Graduate School.

Time in Residence

All candidates for the Master's degree must spend two semesters of study in residence at the University after admission to Graduate School program.

Students in the Ed. D. program must establish academic residency by completing a minimum of eighteen (18) hours at Tennessee State University, excluding dissertation credit, over a period of four (4) academic year semesters or two (2) academic year semesters and two (2) summer registrations (two sessions per one summer equals one registration).

Students pursuing the Ph.D. program in Psychology must enroll full-time for two (2) consecutive semesters [nine (9) hours each semester].

A student in the Ph.D. degree program in Public Administration must establish academic residency at Tennessee State University before being advanced to candidacy. The student may meet residency requirements by completing four courses from the Ph.D. core requirements within a two year period.

Students in the Biology Ph.D. program must meet residency requirements by completing a minimum of eighteen graduate credit hours at Tennessee State University during an academic year consisting of three consecutive semesters, which may include a full summer term and one semester.

Students in the Computer Information and Systems Engineering Ph.D. program must meet the residency requirements by completing a minimum of twenty-seven (27) graduate credit hours at Tennessee State University. The student may meet the residency requirement by completing all the required core courses and at least two (2) seminar courses.

Time Limitations for Completing Degree Requirements

All requirements for the Master's degree and Educational Specialist degree must be completed within six calendar years, beginning with the first semester of enrollment in courses for graduate credit. Graduate courses taken more than six (6) years prior to completion of all degree requirements must be repeated in order to be included in the credit hour requirement for the degree, except in certain substantiated cases of extreme hardship.

Credits earned more than ten (10) years prior to the student's graduation cannot be applied toward meeting requirements for the Ed. D. or Ph.D. degrees.

Extension of Time Limitations

Extension of time for completing course requirements may occasionally be granted because of interruptions in graduate studies due to extenuating circumstances, such as family leave, illness, or military services.

In case of illness, the student is required to present to the Dean of Graduate Studies a notarized certificate from a fully qualified attending physician indicating (a) the general nature of the illness, (b) the duration of the illness, (c) the extent of the disability, and (d) if employed during illness, limitations on activities required by the attending physician. The University reserves the right to consult the University medical staff if making final decisions on such certificates.

In case of military services, the student must present evidence of service while enrolled in the Graduate School, or during regular intervals of enrollment.

All petitions to extend the program of study beyond the degree program time limits must be submitted by the student before the courses expire, using the Graduate School Appeal/Petition Form. Following a positive recommendation by the Advisor, Department Head, and Academic Dean, the petition will be sent to the Graduate School for review by the Graduate Council Appeals Committee, and finally the Graduate Council. The decision of the Graduate Council is final.

Extensions will be granted with the following stipulations.

1. There will be only one such extension granted, for a time period specified on the Appeal/Petition Form.
2. Courses taken outside the degree program time limits may not be counted toward the degree unless they are revalidated to demonstrate that mastery of knowledge/skills is current. Revalidated courses are added back to the Program of Study.
3. The plan for revalidation must be prepared in conjunction with the student's major department, and submitted with the Appeal/Petition Form.
4. Mechanisms for revalidating out-of-date courses are limited to the following:
 - a. re-taking expired courses; or

- b. re-taking related courses (equal in credit hours to the expired courses) approved by the department, and added to the Program of Study; or
 - c. re-taking a competency test (qualifying or comprehensive examination) administered by the department.
- 5. Revalidation will only apply to courses on the approved Program of Study or approved as transfer credit for inclusion on the Program of Study.
- 6. Students who have been out of school for one or more semesters must apply for readmission to the Graduate School.
- 7. Departments may reserve the right to deny extensions. No extension will be reviewed by the Graduate School without a recommendation from the Advisor, Department Head and Academic Dean.
- 8. If approved for an extension, documentation of completion of the approved revalidation plan must be submitted to the Graduate School by the department, and the Program of Study must be submitted or revised to indicate revalidated courses.

Appeal/Petition Process for Admission Decision, Readmission Following Suspension, Retention in Degree Program, Time Extension for Completing Degree Requirements

Appeals/Petitions for any of the above reasons are subject to the approval of the Dean of the Graduate School in consultation with the Graduate Council Appeals Committee, and with the appropriate Graduate Coordinator, Department Chair and Dean. Students should complete the Appeal/Petition form provided by the Graduate School and submit to the Advisor/Coordinator. The signed form will be given to the Graduate Council Appeals Committee for review and recommendation. The Graduate Dean's decision is final. (Note: Admission Decision Appeals are submitted directly to the Graduate School.)

Application for Graduation

The Application for Graduation must be completed early in the semester before the student intends to graduate (dates are posted on TSU Website). If the student does not graduate in the semester for which the application was made, another application must be submitted for the intended semester of graduation.

Human Subjects

All research involving Human Subjects must be approved prior to initiating data collection, in accordance with guidelines and procedures available on the TSU Office of Sponsored Research Web Site: www.tnstate.edu/research.

Academic Integrity Statement

Conferral of a graduate degree implies personal integrity and knowledge of, and adherence to, scholarly methods and ethical standards both within a discipline and the University as a whole. The graduate student is also expected to work in accordance with local, state, federal and international standards, regulations and laws, in all aspects of his or her program of study. There are three areas in which graduate students should be particularly cautious: (1) plagiarism, (2) the use of copyrighted material, and (3) adherence to research ethics.

Because the purpose of any university is the origination and honest dissemination of knowledge, any act that fails to forward those aims must be judged unethical. Violations of the University's standards of Academic Integrity will be investigated when suspected and sanctioned if established. Sanctions include dismissal from the University or revocation of degree(s).

Plagiarism is the presentation of another's works or ideas as one's own. This includes the undocumented word for word use and/or paraphrasing of another person's work, and/or the inappropriate undocumented use of another person's ideas. To avoid plagiarism, every direct quotation must be identified by quotation marks or by appropriate indentation and must be properly cited in the text or in a footnote.

Documentation is required when material from another source stored in print, electronic or other medium is copied, quoted, paraphrased or summarized in whole or in part in one's own words. Plagiarism may also arise from using one's own work (e.g., previously submitted for credit in another course) without proper documentation or consent of the instructor. In order to avoid questions of plagiarism, students involved in collaborative research should be careful to document the work of all collaborators. If in doubt, the student should consult with the course instructor, program advisor and/or the graduate school about the course work or project. The graduate student is obligated to the ethical and responsible use of copyrighted material. This includes following the standards of academic Fair Use of copyrighted materials, established by the U.S. and international law. In order to avoid questions of copyright violation, the student should consult with the course instructor, program advisor and/or Director of Libraries regarding any use of copyrighted material in presentations, classroom demonstrations, theses, dissertations, etc.

The graduate student must adhere to the ethical standards for research established within the discipline of his/her program of study and the University-as well as to all local, state, federal and international standards, regulations and law. Unethical acts in research include falsification or deliberate misrepresentation of data, mistreatment of human or animal subjects, failure to follow standards regarding the use of hazardous materials, etc. The graduate student must adhere to research protocols established by the program and University to maintain proper institutional control of all research activities conducted by University administration, staff, faculty, and students. Many forms of research conducted by the student, either independently or with a faculty member, will require oversight by the University's Institutional Review Board (IRB) process.

In particular, the use of hazardous materials (with concerns for radioactivity or bio-safety) and human /animal subjects requires review and approval from authorities both within and outside the University before it proceeds. The student should consult and gain the necessary approvals with the program advisor and the appropriate research review committee in the Division of Research and Sponsored Programs before engaging in any such research activity.

The University recognizes the right of a graduate student to appeal a sanction for failure to adhere to the University's standard for Academic Integrity. If the student believes that a sanction has been incorrectly applied, he/she may make an appeal to the Vice President for Academic Affairs. This appeal must be in writing, accompanied by any relevant supporting documents, and must be initiated within 30 calendar days of the beginning of the semester immediately following the semester in which the sanction was applied (Summer School excluded). The decision of the Vice President for Academic Affairs is final.

Program of Study Degrees and Certificates

Certificate Programs

A certificate program is a planned sequence of graduate-credit courses in a specialized area that does not lead to a degree itself. A graduate certificate is designed for post-baccalaureate, graduate, or post-graduate students. A certificate program may function independently of a degree program. Credits earned in a certificate program may be applied to a graduate degree in a related field. Certificates are currently offered through the Department of Public Administration, Department of Agricultural Sciences, and the Division of Nursing.

Application and Admission Requirements

Prospective students desiring to enroll for graduate certificate study must apply through the Office of the Dean of the School of Graduate Studies and Research. Applicants must possess at least a baccalaureate degree in the same or related field and meet the minimum admission criteria set by the Graduate School. Departments/Programs may establish higher admission standards. Students must be admitted unconditionally to a certificate program. A student in an existing master's or doctoral program may apply for admission to a certificate program.

Credit-Hour Requirements

Credit-hour requirements for graduate certificates vary by program. The minimum credit-hour requirement for certificate programs is 15 semester graduate credit hours. Some certificate programs require more than 15 semester credit hours.

Retention and Completion Requirements

To maintain good standing, a student must maintain a cumulative grade point average (GPA) of 3.0 or better in all graduate work attempted. A minimum cumulative GPA of 3.0 is required for successful completion of a graduate certificate. Grades of D or F are not accepted for any certificate credit, but these grades will be computed in GPA. Students must submit and an approved program of study to the Graduate School during the first semester of enrollment in a certificate program.

Time Limits for Certificate Completion Requirements

All requirements for a certificate program must be completed within three calendar years, beginning with the first semester of enrollment in graduate credit.

Transfer Credit-Hour Requirements

A certificate student may be allowed to transfer a maximum of 6 semester credit hours or 9 quarter hours from an accredited college or university. Courses taken for meeting the requirements for a degree program at Tennessee State University cannot be used for obtaining a certificate unless the student has applied for the certificate, been accepted, and submitted an approved program of study to the Graduate School.

Graduation Requirements

To be cleared for award of a Graduate Certificate, a student must meet the following requirements: (1) Applied and admitted to a certificate program; (2) Successfully completed all course requirements outlined on the approved program of study with a cumulative GPA of 3.00

or higher; and (3) Applied for graduation for the certificate (filed the TSU Application for Graduation) during the last semester of enrollment.

Master's Degrees

Candidacy and Program of Study

Admission to candidacy is an important step in the student's progress toward a degree. The step indicates that the student has successfully completed an important portion of his/her graduate studies, has outlined the remainder of his/her program of study, is considered a capable graduate student and is viewed as a worthy candidate for an advanced degree in his/her field of specialization. Recommendation for candidacy, therefore, is based upon performance on admission tests, completion of prerequisite courses, class work, and professional behavior.

Master's Degrees

Performance in core courses and major field courses is deemed significant. Students must apply for admission to candidacy after they earn at least nine (9) semester hours of graduate credit but before having earned fifteen (15) credit hours. The Program of Study and Advancement to Candidacy form should be completed in consultation with the advisor, signed by the appropriate persons and returned to the Graduate School. Changes in the approved Program of Study require the written approval of the adviser and the Dean of the Graduate School. The Change of Program or Personnel form may be obtained from the Graduate School.

Procedures for Admission to Candidacy

When the student has completed nine (9) semester hours of graduate credits with a cumulative grade point average of 3.00, and has removed all incomplete (I-grades) from the permanent record in the Office of Admissions and Records, and met any admissions conditions, the student is ready to be admitted to candidacy.

Students Not Admitted to Candidacy Who Have Successfully Completed Nine Hours of Graduate Credit

After successful completion of nine (9) semester hours but not more than fifteen (15) semester hours of graduate course work with a grade point average of 3.0 or above, the student must be advanced to candidacy. The student who is not advanced to candidacy will not be allowed to take additional course work. Students who have been conditionally admitted to a master's program must satisfy all stipulated conditions by the time a Program of Study is filed or prior to accumulating a maximum of 15 graduate hours. A test score condition must be met within the first semester of enrollment of courses for graduate credit. A maximum of 15 hours of graduate work will be counted toward the degree when admission requirements are met.

Courses taken after the term in which the fifteen (15) hours were completed may not apply toward the completion of the requirements for the degree.

No student will be permitted to graduate the same semester in which Candidacy is achieved.

It is the primary responsibility of the student to be familiar with the policies and regulations governing advancement to candidacy.

Master of Arts in Education

The Master of Arts in Education program is open to students in teacher education. This degree is offered in Human Performance and Sports Sciences. The requirements for admission to this program include the following:

1. A 3.0, "B" average, in at least twenty semester credit hours in Education on the undergraduate level.
2. Removal of all undergraduate course deficiencies as determined by the student's major and minor professors.

All candidates for the Master of Arts in Education degree must complete a minimum of 33 graduate credit hours of course work, a thesis or a terminal project, and a final oral comprehensive examination. Some graduate curricula in teacher education require a 10 credit hour content area outside the department or concentration.

Master of Business Administration

The Master of Business Administration degree program is designed for both full-time and part-time students who wish to improve their managerial abilities. Its structure blends functional business disciplines into a cohesive unit of courses which apply to decision making in business, government, and the community. Elective courses are offered in four concentrations-Accounting, Healthcare Economics & Management, Management of Information Systems and Supply Chain Management.

After satisfaction of prerequisites, requirements include a minimum of thirty-six (36) semester hours.

Master of Criminal Justice

The Master of Criminal Justice degree is a joint program offered by Tennessee State University and Middle Tennessee State University. Resident study at both institutions is required. The purpose of this program is to provide students and practitioners in the criminal justice system the opportunity to obtain advanced education in the area of Criminal Justice.

The requirements for the Master of Criminal Justice include a minimum of thirty-six (36) hours including enrollment in eighteen (18) hours at Middle Tennessee State University and six (6) hours of research and thesis writing. The thesis will be supervised by faculty designated at the time of admission to Candidacy.

Master of Education

The Master of Education degree is open to students in education programs. This degree is offered in Instructional Leadership, Elementary Education, Special Education, Music Education, and Curriculum and Instruction.

The special requirements for the Master of Education degree include successfully completing a course in research methodology and a two-part comprehensive examination: one covering the field of professional education, the other the student's field of concentration. The comprehensive examination is taken in the last semester of enrollment. Students seeking administrative licensure must also pass the School Leaders Licensure Examination (SLLA).

Master of Engineering

The Master of Engineering degree is offered with concentrations in Biomedical, Civil, Environmental, Electrical, Mechanical, and Manufacturing Engineering. It requires a minimum of thirty-three (33) graduate credit hours of course work including three (3) semester hours of the design project and a final oral examination on the project.

All students are required to take

1. at least six (6) credit hours of mathematics;
2. three (3) credit hours of laboratory-based courses;
3. three (3) credit hours of special problems in Engineering application (design project);
4. fifteen (15) credit hours in the option, and
5. six (6) credit hours of electives with the consent of the advisor.

Master of Occupational Therapy

The Master of Occupational Therapy degree is open to students who obtain their undergraduate degree in Health Sciences from Tennessee State University as well as transfer students who have completed their undergraduate degree and the 9 prerequisite courses required. The MOT degree requires completion of 74 graduate credit hours including twelve (12) credit hours of level II fieldwork experiences. The MOT program is offered within the College of Health Sciences.

1. Completion of all course credit requirements (74)
2. Successful completion of the comprehensive examination (taken during the second spring semester)
3. Successful completion of both Level II Fieldwork experiences

Master of Professional Studies

This graduate professional studies degree consists of 33 hours of interdisciplinary coursework, including completion of a professional project as the culminating experience.

Master of Public Administration

The Master of Public Administration degree is offered by the Institute of Government. Specific requirements are

1. Completion of forty-two (42) semester hours with a minimum grade-point average of 3.0 including a supervised internship of at least 300 hours which was approved in advance by the graduate programs coordinator or department chair; or completion of thirty-six (36) semester hours with an internship exemption (evidence of relevant professional experience must be provided);
2. Completion of nine core courses (27 semester hours); and,
3. Successful completion of a written comprehensive examination, normally to be taken no earlier than the term in which the student's course work is completed.

Master of Public Health

The Master of Public Health Program seeks to train professionals who will work to preserve and promote the health of local, state, national, and international populations through a focus on cultural competency.

A minimum of 30 semester hours of coursework must be completed in residency. Students may be allowed to take up to (9) credit hours without being fully admitted into the program. (Successful completion of the nine hours does not guarantee acceptance into the MPH program.)

Master of Science

The Master of Science degree program is available to all graduate students except those majoring in Teacher Education, Business Administration, Engineering, Public Administration, Criminal Justice, and Nursing. Requirements for this degree include a minimum of 30 graduate credit hours taken in residence, a thesis, and a final oral examination. In lieu of the thesis, students in Professional School Counseling may take a written comprehensive examination plus a minimum of thirty hours of course work.

This degree is offered in Agricultural Sciences; Biology; Chemistry; Computer and Information Systems Engineering; Computer Science; Food and Animal Sciences, Professional School Counseling; Psychology; Recreation; and Speech and Hearing Science.

Master of Science In Computer, Information, and Systems Engineering (CISE)

The M.S. degree in CISE is a unique degree program that integrates the areas of computer hardware, computer software, and systems engineering to prepare graduates with backgrounds in the development of computer integrated systems. The program requires a total of 30 semester credit hours which includes six hours of thesis and six hours of technical electives. A Non-thesis option under the MS in CISE requires a total of 33 semester credit hour which includes 12 hours of electives. No comprehensive exams are required for the non-thesis option but a written report and oral presentation is required (in a required course). Students seeking admissions must have a background in engineering or computer science or closely related areas. Students admitted conditionally must complete the prerequisite courses with a minimum cumulative average of 3.25 or better and do so before taking any graduate courses.

Master of Science in Computer Science

The Master of Science in Computer Science provides recent college graduates or college graduates who have had several years of professional life, an opportunity to enhance their careers and work on cutting-edge areas of computer science. The program offers two high-demand concentrations: (1) high-performance computing and bioinformatics, and (2) cyber-security and networking. Students can choose a non-thesis option (requires completion of 33 credit hours of coursework) or a thesis option (requires completion of 27 credit hours of course work and 6 credit hours of thesis).

Master of Science In Nursing

The Master of Science in Nursing Degree is offered with three concentrations, Holistic Nursing, Family Nurse Practitioner, and Nursing Education. The Master of Science in Nursing Degree program is designed for both part-time and full-time students. The MSN Program provides flexible scheduling with evening and online learning options for part-time students. A nurse working full-time and attending graduate school part-time may complete the program in 6

semesters. The Master of Science in Nursing Degree with a Holistic Concentration is offered as an online degree program.

The purpose of the master's degree program is to prepare nurses for advanced clinical practice and for nursing leadership positions in all types of primary health care settings. The goals of advanced practice nursing are to manage existing health problems, promote optimum health, provide resources and support to patients and their families, and to collaborate with other health professionals to coordinate care.

Master of Social Work

The Master of Social Work (MSW) is offered collaboratively by Austin Peay State University, Middle Tennessee State University, and Tennessee State University. Its mission is dedicated to the enhancement of human well-being, diversity, and social justice through developing and improving systems of public social services, especially for children and families, by offering graduate training in Social Work with a hybrid model of delivery.

The purpose of the Mid-Tennessee Collaborative Master of Social Work Program is to prepare students for Advanced Generalist Social Work Practice with systems of all types and sizes in both rural and urban areas, to prepare knowledgeable and competent professionals, and to provide leadership in the development of social delivery services, especially public social services.

The MSW requires completion of 60 credit hours.

Professional Science Master's

The Professional Science Master's (PSM) Degree Program with a concentration in Applied Geospatial Information Sciences (AGIS) is offered within the College of Agriculture, Human, and Natural Sciences (CAHNS) in collaboration with College of Business and College of Public Services and Urban Affairs. Courses are delivered online with an on-ground required internship. The PSM Degree Program is a non-thesis offering and requires completion of 36 semester credit hours. Students are trained in real-world situations through internships and theoretical principles through online courses. Students are acquired on-the-job experience with at least 300 internship hours under immediate supervision of an AGIS practitioner.

Comprehensive Examinations for the M.Ed., M.P.A., M.P.H. and M.S. Non-Thesis Degrees

Candidates for the Master of Education degree are required to pass comprehensive examinations covering the professional field of Education and the general field of a major study, including minor courses and supportive areas.

Candidates for the M.P.A. degree are required to pass the comprehensive exam covering primary areas of the field as represented by the core courses.

Candidates for the M.A.Ed. and M.Ed., M.P.H., and M.S. non-thesis degrees are required to take a comprehensive examination in the general field of major study and supportive fields. The examinations are designed to test the student's ability to apply principles, as well as the student's skill in demonstrating sound scholastic and composition capabilities. It is, therefore, recommended that students remain current with the literature both in education and/or the field of major interest.

Regulations Governing the Administration of Comprehensive Evaluations: M.Ed., M.P.A., M.P.H., M.A.Ed., M.S. Non-Thesis, and MSW

1. Students must file an application with their advisors and their department heads on a form (provided by the Graduate School) and no later than the date published by the Graduate School. (Applications must be accompanied by documentation of a Program of Study approved by the Graduate School.)
2. The Dean of the Graduate School will establish the date for the examination. Candidates will be notified of the time and place two weeks before the examination is administered.
3. Examinations are administered three times during the school term: October, March, and June. It is the responsibility of the student to familiarize himself or herself with the Graduate School Calendar, which is published in the Graduate Catalog.
4. The examination shall be administered during the semester of graduation. (Exceptions must be approved by Department Head). It shall cover work prescribed by the student's program and will include at least (a. M.Ed. only; b. all degrees):
 - a. An Examination in Professional Education: Historical, Philosophical, or Social Foundations of Education, Educational Research, Curriculum, Educational Psychology; Evaluation; and Statistics. This portion of the test will be prepared by a committee from the College of Education and chaired by the Dean.
 - b. An Examination in the Student's Major Concentration: In addition to the major concentration, the examination may include an assessment of knowledge in supportive fields. A committee appointed by the Department Head would prepare this portion of the Comprehensive Examinations. It shall be scheduled for a period not to exceed three hours.
5. The Comprehensive Examinations will be written, but where very unusual circumstances require it, the examination may be oral, or written and oral, if recommended by the Advisory Committee and approved by the Department Head, and the Dean of the School/College/Institute. (The Office of Disabled Student Services must approve requests for special accommodations.)
6. Grades for the examinations will be filed in the School Office and in the Graduate School Office. The Graduate School will immediately inform the students of the results upon receipt of the grades from the School/College/Institute Dean.
7. In the event that a student fails to pass the first examination, it may be recommended that the candidate be permitted to prepare for re-examination. In this event, the student and the advisor will plan a program of study, including independent study, further course work, or both. Thus, the credit hours may be extended to accommodate the recommendation of the Advisor/Department Chair.
8. A second failure by a candidate will require further prescribed study before re-examination is permitted.
9. The third failure by any candidate shall result in the student's dismissal from Graduate School.

10. Candidates must present, upon arrival at the testing site, a Photo ID and a Letter of Approval (from the Graduate School) to take the Comprehensive Examination.

Theses/Dissertations Submission Policy

The Graduate School began mandatory electronic theses and dissertations (ETD) submission policy with students graduating in fall 2007. All theses and dissertations must now be submitted electronically. Students are required to publish their ETDs through Proquest / UMI ETD Administrator. Additional requirements and procedures governing the submission of ETDs are available at the Graduate School Website (www.tnstate.edu/graduate).

Thesis

Enrollment in thesis writing is permitted only after the student has been admitted to candidacy for the Master's degree. Students who write theses must consult their academic advisor in the selection of an advisory (guidance) committee and an appropriate topic for investigation. The advisory committee consists of three (3) graduate faculty members, two of whom must be graduate faculty members of the department in which the degree is sought. The third member may be a member of the graduate faculty from a closely related department. This committee shall give general supervision to the candidate's research and thesis writing. A proposal for the thesis is a formal process which involves a hearing before the advisory committee and which results in filing the appropriate proposal form with the graduate school. The proposal form must be signed by all members of the advisory committee. Master's students who write theses must adhere to the deadlines found in the Graduate School Calendar for (1) filing (or registering) the thesis with the Graduate School, (2) defending the thesis in an oral examination before the student's committee, and (3) submitting the final thesis (four copies) to the Graduate School.

The Oral Examination is two (2) hours in length and is conducted by the advisory committee and a guest examiner, a member of the Graduate Faculty from outside the student's academic department. The emphasis of the examination shall be on the thesis and general information in the candidate's field of concentration. The site of the oral examination is arranged by the Chairperson of the advisory committee.

The thesis is to be prepared in accordance with the rules and regulations set forth by the Graduate School in the current edition of Guidelines for Preparing Dissertation, Theses, Projects, and Course Papers.

A student must register for thesis hours continuously until the thesis is complete. A reduction in fees for thesis registration occurs the second time a student registers, at which time the student registers for the "Thesis Continuation" section. A break in registration will result in "I" grades for Thesis hours becoming grades of "F".

Educational Specialist Degree

The Educational Specialist (Ed.S.) degree program is a planned sequence of courses, in the field of Education, offered for students who wish to pursue course work beyond the Master's degree. The Educational Specialist Degree is currently offered in area of Instructional Leadership. Please see the Catalog section for the Department of Educational Leadership for specific details of admission and degree requirements. The degree requires a minimum of thirty (33) hours credit beyond the Master's degree.

Doctoral Degrees

Doctor of Education Degree

The Doctor of Education (Ed.D.) degree is offered in the areas of Educational Leadership, and Curriculum and Instruction.

Doctor of Philosophy Degree (Ph.D.)

Doctor of Philosophy (Ph.D.) degree is offered in Biological Sciences, Computer and Information Systems Engineering, Psychology, and Public Administration. Please refer to the departmental sections of this Catalog for admission and degree requirements.

Doctor of Physical Therapy (DPT)

The Doctor of Physical Therapy degree is offered by the College of Health Sciences. Specific requirements for completing this program are:

1. Completion of 113 hours including:
 - a. Ninety Two semester hours (90) of academic instruction
 - b. Twenty Three semester hours (23) of clinical education
2. Students are required to take a comprehensive examination during their final year in the program. The comprehensive exam covers materials from previous and current semesters. The comprehensive exam is given during the fall semester of the student's final year in the program, and is included in the calculation of the course grade for PHTH 7410 - Clinical Integration Seminar (2). The comprehensive exam is worth 40% of the course grade.

Dissertations

All doctoral dissertations are to be prepared in accordance with the guidelines and regulations set forth by the Graduate School in the current edition of Guidelines for Preparing Dissertations, Theses, Projects, and Course Papers.

After the first enrollment in dissertation credit, students shall continue to enroll in dissertation credit every semester until the dissertation is complete and accepted by the Graduate School. The number of dissertation hours required for the degree is stipulated in the departmental sections of this Catalog. When the student has accumulated the maximum number of dissertation credit hours allowed for a given program, the student shall register for "Dissertation Continuation" at a reduced fee. Students who fail to register each semester will be considered to have terminated their program and must reapply for admission. Registration and verification of registration are the responsibilities of the student.

College of Agriculture

Chandra Reddy, Ph.D., Dean

Office: 213 Agricultural Biotechnology Building

(615) 963-7561

creddy@tnstate.edu

The College of Agriculture is the premier land-grant unit of Tennessee State University. The College has a mandate to educate the students in a classroom setting and to also reach out to the population of Tennessee to provide the research, education, and training necessary for our citizens to lead healthy, and productive lives. The College undertakes its teaching, research and extension functions through its academic departments, the research arm of the College - the Institute of Food, Agricultural and Environmental Research (IFAER) and the Cooperative Extension Program (CEP). The research and extension programs within the College of Agriculture are integrated with the academic programs to create a rich academic environment that enables to create a pool of diverse and talented faculty to teach and mentor graduate and undergraduate students.

Mission: The College of Agriculture carries out the Land Grant mandates of the University in teaching, research, and service. The major goal of the College is to satisfy the educational needs and aspirations of both traditional and non-traditional students enrolled in its academic programs.

Vision: The College of Agriculture will:

- Offer a differentiated, relevant, and rigorous curriculum to provide students with a high-quality education that equips them for the demands and opportunities of the 21st century;
- Cultivate an environment of excellence and integrity that values human capital while encouraging productivity and compliance;
- Achieve national and international prominence in research and the dissemination of science-based knowledge to enhance food, agricultural and human systems;
- Promote diversity among students, faculty, and staff; and
- Support innovation in a nurturing environment.

Master of Science

Agricultural Sciences, Agribusiness Management and Analysis Concentration, M.S.

Agricultural Sciences Major

The Master of Science in Agricultural Sciences is offered with five concentrations: Agribusiness Management and Analysis, Food Supply Chain Management, Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science). The degree is offered with two options, thesis or non-thesis.

The thesis option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations requires a minimum of twenty-nine (29) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these two concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and nine (9) hours maximum of electives. The thesis option in Agricultural

Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations requires a minimum of twenty-six (26) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these three concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620twelve (12) credit hours minimum of required courses in the selected concentration; and six (6) credit hours maximum of electives. The non-thesis option in all the five concentrations requires a minimum of thirty-five (35) credit hours of course work. The candidate for the degree must complete eleven (11) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5350, AGSC 5610, AGSC 5620fifteen (15) credit hours minimum of required courses in the selected concentration; and nine (9) credit hours maximum of electives. These courses must be approved by the Advisor and Department Chair.

The College of Agriculture, at Tennessee State University, is partnering with Peace Corps Master's International program to offer students the opportunity to earn credits toward a Master's of Science degree in Agricultural Sciences while serving as Peace Corps Volunteers. This partnership is a part of the Peace Corps Master's International program, which allows volunteers to combine Peace Corps service with a master's degree program and receive credit for Peace Corps service abroad.

Under this program, students may earn up to six graduate credit hours for Peace Corps service to fulfill up to six hours of requirements for the MS degree in Agricultural Sciences. Participants must apply to Peace Corps and Tennessee State University separately. Please contact the Department of Agricultural and Environmental Sciences for details and requirements for the degree program. Further information on the Master's International program is available at www.peacecorps.gov/masters.

Admission Requirements

Applicants must have the equivalent of a bachelor's degree with a major in one of the Agricultural Sciences or related areas, a minimum quality grade point average of 2.50 on a 4.00 point scale, and a minimum score of 290 on the GRE (verbal and quantitative) or 370 on the MAT for unconditional admission. Higher GPA from the accredited colleges and universities or GRE scores may be used to compensate for some minor deficiencies in admission requirements.

Program of Study/Admission to Candidacy

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

When the candidate files the program of study, he or she may also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above and successfully defended the thesis proposal (thesis option) or successfully passed the written and oral comprehensive examinations (non-thesis option) to be eligible for admission to candidacy.

Degree Requirements

Thesis Option

Each student must pass Research Methods (AGSC 5110) and Statistics for Research (AGSC 5060), must have a thesis advising committee appointed and must be have advanced to

candidacy before enrolling in Thesis Writing (AGSC 5120).

The candidate must submit a thesis on a topic approved by the major advisor. Upon completion of the thesis, the candidate must satisfactorily pass an oral examination conducted by the Thesis Examination Committee. Students choosing this option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations will require 33 hours of coursework which will include four (4) credit hours of thesis research. But students choosing the Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations will require 30 hours of course work which will include four (4) credit hours of thesis research.

Non-Thesis Option

This option is for students who would like to focus on training in specialized areas to meet the needs of employers in agricultural product processing, marketing organizations, input supply firms, teaching, agricultural extension services, and various state and federal government agencies. This program is not recommended for students who have any aspirations toward pursuing a Ph.D. degree.

Students choosing the non-thesis option will be required to take a minimum of 35 hours of course work which will include AGSC 5350 - Independent Study of Contemporary Issues and Problems. The graduate student with guidance from their major advisor will identify contemporary issues and problems in agricultural and environmental sciences, conduct a comprehensive literature review, write a report in a format of a review paper and make an oral presentation to his or her advisory committee.

Comprehensive Examination

Upon completion of core and concentration required courses including AGSC 5350, students choosing the non-thesis option must take a comprehensive written and oral examination administered by the student's advisory committee and other faculty members representing appropriate subject matter areas. The student's major advisor will serve as chairperson of the committee conducting the examination.

If a student fails the comprehensive examination, one retake will be allowed. Should the student again fail, a third and final examination may be taken upon completion of additional course work (minimum of 6 hours) to be selected by the student's advisory committee.

Programs of Study

Core Courses, All Concentrations - Thesis 12 hours, or Non-Thesis 11 hrs.

- AGSC 5060 - Statistics for Research (3) **CIP:**
- AGSC 5110 - Research Methods (3) **CIP:**
- AGSC 5120 - Thesis Writing (Thesis Option) (4) **CIP:**
- AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1) **CIP:**
- AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3) **CIP:**

Concentration I:

Agribusiness Management and Analysis 12 Hrs. Minimum, Thesis or 15 Hrs. Minimum Non-Thesis

- AGSC 5080 - Agribusiness Management and Market Analysis (3) **CIP:**
- AGSC 5090 - Food and Fiber Industry (3) **CIP:**
- AGSC 5100 - Environmental, Resource Economics and Management (3) **CIP:**
- AGSC 5300 - Applied Microeconomics in Agribusiness (3) **CIP:**
- AGSC 5310 - International Agricultural Trade and Marketing (3) **CIP:**
- AGSC 5330 - Agribusiness Strategy (3) **CIP:**
- AGSC 5014 - Food Marketing and Retail Management (3) **CIP:**

Electives - 9 Hours. Maximum each for Thesis or Non-Thesis option with the approval of the Advisor and Department Chair

- ECON 6110 - Managerial Economics (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**
- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- AGSC 5040 - Program Planning, Development and Evaluation (3) **CIP:**
- AGSC 5050 - Methods of Teaching Agricultural and Environmental Stem (3) **CIP:**

Agricultural Sciences, Agricultural Education Concentration, M.S.

Agricultural Sciences Major

The Master of Science in Agricultural Sciences is offered with five concentrations: Agribusiness Management and Analysis, Food Supply Chain Management, Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science). The degree is offered with two options, thesis or non-thesis.

The thesis option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations requires a minimum of twenty-nine (29) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these two concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and nine (9) hours maximum of electives. The thesis option in Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations requires a minimum of twenty-six (26) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these three concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and six (6) credit hours maximum of electives. The non-thesis option in all the five concentrations requires a minimum of thirty-five (35) credit hours of course work. The candidate for the degree must complete eleven (11) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5350, AGSC 5610, AGSC 5620; fifteen (15) credit hours minimum of required courses in the selected

concentration; and nine (9) credit hours maximum of electives. These courses must be approved by the Advisor and Department Chair.

The College of Agriculture, at Tennessee State University, is partnering with Peace Corps Master's International program to offer students the opportunity to earn credits toward a Master's of Science degree in Agricultural Sciences while serving as Peace Corps Volunteers. This partnership is a part of the Peace Corps Master's International program, which allows volunteers to combine Peace Corps service with a master's degree program and receive credit for Peace Corps service abroad.

Under this program, students may earn up to six graduate credit hours for Peace Corps service to fulfill up to six hours of requirements for the MS degree in Agricultural Sciences. Participants must apply to Peace Corps and Tennessee State University separately. Please contact the Department of Agricultural and Environmental Sciences for details and requirements for the degree program. Further information on the Master's International program is available at www.peacecorps.gov/masters.

Admission Requirements

Applicants must have the equivalent of a bachelor's degree with a major in one of the Agricultural Sciences or related areas, a minimum quality grade point average of 2.50 on a 4.00 point scale, and a minimum score of 290 on the GRE (verbal and quantitative) or 370 on the MAT for unconditional admission. Higher GPA from the accredited colleges and universities or GRE scores may be used to compensate for some minor deficiencies in admission requirements.

Program of Study/Admission to Candidacy

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

When the candidate files the program of study, he or she may also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above and successfully defended the thesis proposal (thesis option) or successfully passed the written and oral comprehensive examinations (non-thesis option) to be eligible for admission to candidacy.

Degree Requirements

Thesis Option

Each student must pass Research Methods (AGSC 5110) and Statistics for Research (AGSC 5060), must have a thesis advising committee appointed and must be have advanced to candidacy before enrolling in Thesis Writing (AGSC 5120).

The candidate must submit a thesis on a topic approved by the major advisor. Upon completion of the thesis, the candidate must satisfactorily pass an oral examination conducted by the Thesis Examination Committee. Students choosing this option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations will require 33 hours of coursework which will include four (4) credit hours of thesis research. But students choosing the Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations will require 30 hours of course work which will include four (4) credit hours of thesis research.

Non-Thesis Option

This option is for students who would like to focus on training in specialized areas to meet the needs of employers in agricultural product processing, marketing organizations, input supply firms, teaching, agricultural extension services, and various state and federal government agencies. This program is not recommended for students who have any aspirations toward pursuing a Ph.D. degree.

Students choosing the non-thesis option will be required to take a minimum of 35 hours of course work which will include AGSC 5350 - Independent Study of Contemporary Issues and Problems. The graduate student with guidance from their major advisor will identify contemporary issues and problems in agricultural and environmental sciences, conduct a comprehensive literature review, write a report in a format of a review paper and make an oral presentation to his or her advisory committee.

Comprehensive Examination

Upon completion of core and concentration required courses including AGSC 5350, students choosing the non-thesis option must take a comprehensive written and oral examination administered by the student's advisory committee and other faculty members representing appropriate subject matter areas. The student's major advisor will serve as chairperson of the committee conducting the examination.

If a student fails the comprehensive examination, one retake will be allowed. Should the student again fail, a third and final examination may be taken upon completion of additional course work (minimum of 6 hours) to be selected by the student's advisory committee.

Programs of Study

Core Courses, All Concentrations - Thesis 12 hours, or Non-Thesis 11 hrs.

- AGSC 5060 - Statistics for Research (3) **CIP:**
- AGSC 5110 - Research Methods (3) **CIP:**
- AGSC 5120 - Thesis Writing (Thesis Option) (4) **CIP:**
- AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1) **CIP:**
- AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3) **CIP:**

Concentration III: Agricultural Education - 12 Hrs. Minimum, Thesis or 15 Hrs. Minimum Non-Thesis

AGSC 5020, 5030, 5040 are required for those seeking Teaching License; AGSC 5040 is required for endorsement to teach secondary Agriscience.

- AGSC 5010 - Foundations of Agricultural and Extension Education (3) **CIP:**
- AGSC 5020 - Teaching and Learning Methods in Agricultural and Extension Education (3) **CIP:**
- AGSC 5030 - Curriculum Development and Program Leadership in Agricultural and Extension Education (3) **CIP:**

- AGSC 5040 - Program Planning, Development and Evaluation (3) **CIP:**
- AGSC 5050 - Methods of Teaching Agricultural and Environmental Stem (3) **CIP:**

Electives - 6 hrs. maximum, Thesis or 9 hrs. maximum, Non-Thesis with the approval of the Advisor and Department Chair

TELC 5001, 5004, 5005 are required for those seeking Teaching License.

- AGSC 5080 - Agribusiness Management and Market Analysis (3) **CIP:**
- AGSC 5090 - Food and Fiber Industry (3) **CIP:**
- AGSC 5100 - Environmental, Resource Economics and Management (3) **CIP:**
- AGSC 5140 - Contemporary Issues in Animal Science (3) **CIP:**
- AGSC 5150 - Livestock Production and Management (3) **CIP:**
- TELC 5006 - Teachers as Agents of Change (3) **CIP:**
- TELC 5001 - Adolescent Development (3) **CIP:**
- TELC 5004 - Survey of Exceptional Children (3) **CIP:**
- TELC 5005 - Teaching and Learning with Technology (3) **CIP:**
- AGSC 5180 - Soil Classification (3) **CIP:**

Agricultural Sciences, Biotechnology Concentration, M.S.

Agricultural Sciences Major

The Master of Science in Agricultural Sciences is offered with five concentrations: Agribusiness Management and Analysis, Food Supply Chain Management, Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science). The degree is offered with two options, thesis or non-thesis.

The thesis option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations requires a minimum of twenty-nine (29) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these two concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and nine (9) hours maximum of electives. The thesis option in Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations requires a minimum of twenty-six (26) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these three concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and six (6) credit hours maximum of electives. The non-thesis option in all the five concentrations requires a minimum of thirty-five (35) credit hours of course work. The candidate for the degree must complete eleven (11) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5350, AGSC 5610, AGSC 5620; fifteen (15) credit hours minimum of required courses in the selected concentration; and nine (9) credit hours maximum of electives. These courses must be approved by the Advisor and Department Chair.

The College of Agriculture, at Tennessee State University, is partnering with Peace Corps Master's International program to offer students the opportunity to earn credits toward a Master's of Science degree in Agricultural Sciences while serving as Peace Corps Volunteers. This partnership is a part of the Peace Corps Master's International program, which allows volunteers to combine Peace Corps service with a master's degree program and receive credit for Peace Corps service abroad.

Under this program, students may earn up to six graduate credit hours for Peace Corps service to fulfill up to six hours of requirements for the MS degree in Agricultural Sciences. Participants must apply to Peace Corps and Tennessee State University separately. Please contact the Department of Agricultural and Environmental Sciences for details and requirements for the degree program. Further information on the Master's International program is available at www.peacecorps.gov/masters.

Admission Requirements

Applicants must have the equivalent of a bachelor's degree with a major in one of the Agricultural Sciences or related areas, a minimum quality grade point average of 2.50 on a 4.00 point scale, and a minimum score of 290 on the GRE (verbal and quantitative) or 370 on the MAT for unconditional admission. Higher GPA from the accredited colleges and universities or GRE scores may be used to compensate for some minor deficiencies in admission requirements.

Program of Study/Admission to Candidacy

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

When the candidate files the program of study, he or she may also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above and successfully defended the thesis proposal (thesis option) or successfully passed the written and oral comprehensive examinations (non-thesis option) to be eligible for admission to candidacy.

Degree Requirements

Thesis Option

Each student must pass Research Methods (AGSC 5110) and Statistics for Research (AGSC 5060), must have a thesis advising committee appointed and must have advanced to candidacy before enrolling in Thesis Writing (AGSC 5120).

The candidate must submit a thesis on a topic approved by the major advisor. Upon completion of the thesis, the candidate must satisfactorily pass an oral examination conducted by the Thesis Examination Committee. Students choosing this option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations will require 33 hours of coursework which will include four (4) credit hours of thesis research. But students choosing the Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations will require 30 hours of course work which will include four (4) credit hours of thesis research.

Non-Thesis Option

This option is for students who would like to focus on training in specialized areas to meet the needs of employers in agricultural product processing, marketing organizations, input supply firms, teaching, agricultural extension services, and various state and federal government agencies. This program is not recommended for students who have any aspirations toward pursuing a Ph.D. degree.

Students choosing the non-thesis option will be required to take a minimum of 35 hours of course work which will include AGSC 5350 - Independent Study of Contemporary Issues and Problems. The graduate student with guidance from their major advisor will identify contemporary issues and problems in agricultural and environmental sciences, conduct a comprehensive literature review, write a report in a format of a review paper and make an oral presentation to his or her advisory committee.

Comprehensive Examination

Upon completion of core and concentration required courses including AGSC 5350, students choosing the non-thesis option must take a comprehensive written and oral examination administered by the student's advisory committee and other faculty members representing appropriate subject matter areas. The student's major advisor will serve as chairperson of the committee conducting the examination.

If a student fails the comprehensive examination, one retake will be allowed. Should the student again fail, a third and final examination may be taken upon completion of additional course work (minimum of 6 hours) to be selected by the student's advisory committee.

Programs of Study

Core Courses, All Concentrations - Thesis 12 hours, or Non-Thesis 11 hrs.

- AGSC 5060 - Statistics for Research (3) **CIP:**
- AGSC 5110 - Research Methods (3) **CIP:**
- AGSC 5120 - Thesis Writing (Thesis Option) (4) **CIP:**
- AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1) **CIP:**
- AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3) **CIP:**

Concentration V:

Plant Science - 12 Hrs. Minimum, Thesis or 15 Hrs. Minimum Non-Thesis

- AGSC 5180 - Soil Classification (3) **CIP:**
- AGSC 5190 - Plant Breeding (3) **CIP:**
- AGSC 5220 - Plant Growth Substances (3) **CIP:**
- AGSC 5230 - Advanced Propagation of Horticultural Plants (3) **CIP:**
- AGSC 5240 - Plant Protection (3) **CIP:**
- AGSC 5260 - Environmental Analysis (3) **CIP:**
- AGSC 5500/7500 - Environmental Issues and Sustainability 3 **CIP:**

Electives - 6 hrs. maximum, Thesis or 9 hrs. maximum, Non-Thesis with the approval of the advisor and department head.

- AGSC 5100 - Environmental, Resource Economics and Management (3) **CIP:**
- BIOL 5180 - Cell Biology (3) **CIP:**
- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**
- AGSC 5015 - Principles of Organic Agriculture (3) **CIP:**
- AGSC 5270 - Biosecurity and Bioforensics (3) **CIP:**
- AGSC 5290 - Omics (3) **CIP:**
- AGSC 5320 - Wetlands Ecology and Management (3) **CIP:**
- AGSC 5340 - Cell and Issue Culture (4) **CIP:**
- AGSC 5470 - Immunochemistry in Biotechnology (3) **CIP:**
- AGSC 6010 - Gene Structure and Function (3) **CIP:**
- AGSC 5570 - Climate Change (3) **CIP:**
- AGSC 5900 - Applied Entomology (3) **CIP:**
- AGSC 5510 - Ecosystem Science and Management (3) **CIP:**

Agricultural Sciences, Food and Animal Science Concentration, M.S. (phaseout in fall 2019)

Agricultural Sciences Major

The Master of Science in Agricultural Sciences is offered with five concentrations: Agribusiness Management and Analysis, Food Supply Chain Management, Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science). The degree is offered with two options, thesis or non-thesis.

The thesis option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations requires a minimum of twenty-nine (29) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these two concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and nine (9) hours maximum of electives. The thesis option in Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations requires a minimum of twenty-six (26) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these three concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and six (6) credit hours maximum of electives. The non-thesis option in all the five concentrations requires a minimum of thirty-five (35) credit hours of course work. The candidate for the degree must complete eleven (11) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5350, AGSC 5610, AGSC 5620; fifteen (15) credit hours minimum of required courses in the selected

concentration; and nine (9) credit hours maximum of electives. These courses must be approved by the Advisor and Department Chair.

The College of Agriculture, at Tennessee State University, is partnering with Peace Corps Master's International program to offer students the opportunity to earn credits toward a Master's of Science degree in Agricultural Sciences while serving as Peace Corps Volunteers. This partnership is a part of the Peace Corps Master's International program, which allows volunteers to combine Peace Corps service with a master's degree program and receive credit for Peace Corps service abroad.

Under this program, students may earn up to six graduate credit hours for Peace Corps service to fulfill up to six hours of requirements for the MS degree in Agricultural Sciences. Participants must apply to Peace Corps and Tennessee State University separately. Please contact the Department of Agricultural and Environmental Sciences for details and requirements for the degree program. Further information on the Master's International program is available at www.peacecorps.gov/masters.

Admission Requirements

Applicants must have the equivalent of a bachelor's degree with a major in one of the Agricultural Sciences or related areas, a minimum quality grade point average of 2.50 on a 4.00 point scale, and a minimum score of 290 on the GRE (verbal and quantitative) or 370 on the MAT for unconditional admission. Higher GPA from the accredited colleges and universities or GRE scores may be used to compensate for some minor deficiencies in admission requirements.

Program of Study/Admission to Candidacy

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

When the candidate files the program of study, he or she may also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above and successfully defended the thesis proposal (thesis option) or successfully passed the written and oral comprehensive examinations (non-thesis option) to be eligible for admission to candidacy.

Degree Requirements

Thesis Option

Each student must pass Research Methods (AGSC 5110) and Statistics for Research (AGSC 5060), must have a thesis advising committee appointed and must be have advanced to candidacy before enrolling in Thesis Writing (AGSC 5120).

The candidate must submit a thesis on a topic approved by the major advisor. Upon completion of the thesis, the candidate must satisfactorily pass an oral examination conducted by the Thesis Examination Committee. Students choosing this option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations will require 33 hours of coursework which will include four (4) credit hours of thesis research. But students choosing the Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations will require 30 hours of course work which will include four (4) credit hours of thesis research.

Non-Thesis Option

This option is for students who would like to focus on training in specialized areas to meet the needs of employers in agricultural product processing, marketing organizations, input supply firms, teaching, agricultural extension services, and various state and federal government agencies. This program is not recommended for students who have any aspirations toward pursuing a Ph.D. degree.

Students choosing the non-thesis option will be required to take a minimum of 35 hours of course work which will include AGSC 5350 - Independent Study of Contemporary Issues and Problems. The graduate student with guidance from their major advisor will identify contemporary issues and problems in agricultural and environmental sciences, conduct a comprehensive literature review, write a report in a format of a review paper and make an oral presentation to his or her advisory committee.

Comprehensive Examination

Upon completion of core and concentration required courses including AGSC 5350, students choosing the non-thesis option must take a comprehensive written and oral examination administered by the student's advisory committee and other faculty members representing appropriate subject matter areas. The student's major advisor will serve as chairperson of the committee conducting the examination.

If a student fails the comprehensive examination, one retake will be allowed. Should the student again fail, a third and final examination may be taken upon completion of additional course work (minimum of 6 hours) to be selected by the student's advisory committee.

Programs of Study

Core Courses, All Concentrations - Thesis 12 hours, or Non-Thesis 11 hrs.

- AGSC 5060 - Statistics for Research (3) **CIP:**
- AGSC 5110 - Research Methods (3) **CIP:**
- AGSC 5120 - Thesis Writing (Thesis Option) (4) **CIP:**
- AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1) **CIP:**
- AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3) **CIP:**

Concentration IV:

Animal Science - 12 Hrs. Minimum, Thesis or 15 Hrs. Minimum Non-Thesis

- AGSC 5130 - Advanced Animal Nutrition (3) **CIP:**
- AGSC 5140 - Contemporary Issues in Animal Science (3) **CIP:**
- AGSC 5150 - Livestock Production and Management (3) **CIP:**
- AGSC 5160 - Animal Genetics and Breeding (3) **CIP:**
- AGSC 5170 - Advanced Poultry Production and Management (3) **CIP:**

Electives - 6 hrs. maximum, Thesis or 9 hrs. maximum, Non-Thesis with the approval of the Advisor and Department Chair

- AGSC 5090 - Food and Fiber Industry (3) **CIP:**
- BIOL 5180 - Cell Biology (3) **CIP:**
- AGSC 5280 - Advanced Poultry Nutrition and Biotechnology (3) **CIP:**
- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**

Agricultural Sciences, Food Supply Chain Management Concentration, M.S.

Agricultural Sciences Major

The Master of Science in Agricultural Sciences is offered with five concentrations: Agribusiness Management and Analysis, Food Supply Chain Management, Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science). The degree is offered with two options, thesis or non-thesis.

The thesis option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations requires a minimum of twenty-nine (29) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these two concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and nine (9) hours maximum of electives. The thesis option in Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations requires a minimum of twenty-six (26) credit hours of course work and a thesis of four (4) credit hours. The candidate for the degree in these three concentrations must complete twelve (12) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5610, AGSC 5620; twelve (12) credit hours minimum of required courses in the selected concentration; and six (6) credit hours maximum of electives. The non-thesis option in all the five concentrations requires a minimum of thirty-five (35) credit hours of course work. The candidate for the degree must complete eleven (11) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5350, AGSC 5610, AGSC 5620; fifteen (15) credit hours minimum of required courses in the selected concentration; and nine (9) credit hours maximum of electives. These courses must be approved by the Advisor and Department Chair.

The College of Agriculture, at Tennessee State University, is partnering with Peace Corps Master's International program to offer students the opportunity to earn credits toward a Master's of Science degree in Agricultural Sciences while serving as Peace Corps Volunteers. This partnership is a part of the Peace Corps Master's International program, which allows volunteers to combine Peace Corps service with a master's degree program and receive credit for Peace Corps service abroad.

Under this program, students may earn up to six graduate credit hours for Peace Corps service to fulfill up to six hours of requirements for the MS degree in Agricultural Sciences. Participants must apply to Peace Corps and Tennessee State University separately. Please contact the Department of Agricultural and Environmental Sciences for details and requirements for the degree program. Further information on the Master's International program is available at www.peacecorps.gov/masters.

Admission Requirements

Applicants must have the equivalent of a bachelor's degree with a major in one of the Agricultural Sciences or related areas, a minimum quality grade point average of 2.50 on a 4.00 point scale, and a minimum score of 290 on the GRE (verbal and quantitative) or 370 on the MAT for unconditional admission. Higher GPA from the accredited colleges and universities or GRE scores may be used to compensate for some minor deficiencies in admission requirements.

Program of Study/Admission to Candidacy

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

When the candidate files the program of study, he or she may also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above and successfully defended the thesis proposal (thesis option) or successfully passed the written and oral comprehensive examinations (non-thesis option) to be eligible for admission to candidacy.

Thesis Option

Each student must pass Research Methods (AGSC 5110) and Statistics for Research (AGSC 5060), must have a thesis advising committee appointed and must have advanced to candidacy before enrolling in Thesis Writing (AGSC 5120).

The candidate must submit a thesis on a topic approved by the major advisor. Upon completion of the thesis, the candidate must satisfactorily pass an oral examination conducted by the Thesis Examination Committee. Students choosing this option in Agribusiness Management and Analysis, and Food Supply Chain Management concentrations will require 33 hours of coursework which will include four (4) credit hours of thesis research. But students choosing the Agricultural Education, Food and Animal Science, and Biotechnology (Plant and Soil Science) concentrations will require 30 hours of course work which will include four (4) credit hours of thesis research.

Non-Thesis Option

This option is for students who would like to focus on training in specialized areas to meet the needs of employers in agricultural product processing, marketing organizations, input supply firms, teaching, agricultural extension services, and various state and federal government agencies. This program is not recommended for students who have any aspirations toward pursuing a Ph.D. degree.

Students choosing the non-thesis option will be required to take a minimum of 35 hours of course work which will include AGSC 5350 - Independent Study of Contemporary Issues and Problems. The graduate student with guidance from their major advisor will identify contemporary issues and problems in agricultural and environmental sciences, conduct a comprehensive literature review, write a report in a format of a review paper and make an oral presentation to his or her advisory committee.

Comprehensive Examination

Upon completion of core and concentration required courses including AGSC 5350, students choosing the non-thesis option must take a comprehensive written and oral examination administered by the student's advisory committee and other faculty members representing appropriate subject matter areas. The student's major advisor will serve as chairperson of the committee conducting the examination.

If a student fails the comprehensive examination, one retake will be allowed. Should the student again fail, a third and final examination may be taken upon completion of additional course work (minimum of 6 hours) to be selected by the student's advisory committee.

Programs of Study

Core Courses, All Concentrations - Thesis 12 hours, or Non-Thesis 11 hrs.

- AGSC 5060 - Statistics for Research (3) **CIP:**
- AGSC 5110 - Research Methods (3) **CIP:**
- AGSC 5120 - Thesis Writing (Thesis Option) (4) **CIP:**
- AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1) **CIP:**
- AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3) **CIP:**

Concentration II:

Food Supply Chain Management 12 Hrs. Minimum, Thesis or 15 Hrs. Minimum Non-Thesis

- AGSC 5080 - Agribusiness Management and Market Analysis (3) **CIP:**
- AGSC 5300 - Applied Microeconomics in Agribusiness (3) **CIP:**
- AGSC 5310 - International Agricultural Trade and Marketing (3) **CIP:**
- AGSC 5012 - Food Supply and Value Chain Management (3) **CIP:**
- AGSC 5090 - Food and Fiber Industry (3) **CIP:**
- AGSC 5100 - Environmental, Resource Economics and Management (3) **CIP:**

Electives - 9 hrs. maximum each for Thesis or Non-Thesis option with the approval of the Advisor and Department Chair

- ECON 6110 - Managerial Economics (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**
- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- AGSC 5040 - Program Planning, Development and Evaluation (3) **CIP:**
- AGSC 5330 - Agribusiness Strategy (3) **CIP:**

Food and Animal Science, M.S.

Overview

The Master of Science in Food and Animal Sciences degree is offered with two options, thesis or non-thesis. The thesis option requires a minimum of twenty-six (26) credit hours of course work

and a thesis of four (4) credit hours. The candidate for the degree must complete eighteen (18) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5120, AGSC 5440, AGSC 5550, AGSC 5610, AGSC 5620 and twelve (12) credit hours maximum of electives. The non-thesis option requires a minimum of thirty-five (35) credit hours of course work. The candidate for the degree must complete seventeen (17) credit hours of core courses: AGSC 5060, AGSC 5110, AGSC 5350, AGSC 5440, AGSC 5550, AGSC 5610, AGSC 5620; and eighteen (18) credit hours maximum of electives. These courses must be approved by the advisor and department head.

Admission Requirements

Applicants must have the equivalent of a bachelor's degree with a major in one of the Agricultural Sciences or related areas, a minimum quality grade point average of 2.50 on a 4.00 point scale, and a minimum score of 290 on the GRE (verbal and quantitative) or 370 on the MAT for unconditional admission. Higher GPA from the accredited colleges and universities or GRE scores may be used to compensate for some minor deficiencies in admission requirements.

Program of Study/Admission to Candidacy

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

When the candidate files the program of study, he or she may also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above and successfully defended the thesis proposal (thesis option) or successfully passed the written and oral comprehensive examinations (non-thesis option) to be eligible for admission to candidacy.

Degree Requirements

Thesis Option

Each student must pass Research Methods (AGSC 5110) and Statistics for Research (AGSC 5060), must have a thesis advising committee appointed, and must be advanced to candidacy before enrolling in Thesis Writing (AGSC 5120).

The candidate must submit a thesis on a topic approved by the major advisor. Upon completion of the thesis, the candidate must satisfactorily pass an oral examination conducted by the Thesis Examination Committee. Students choosing the thesis option will require 30 hours of course work which will include four (4) credit hours of thesis research.

Non-Thesis Option

This option is for students who would like to focus on training in specialized areas to meet the needs of employers in food and animal health-related industries, specialized field such as food engineering, food safety and quality, product development and sensor sciences, agricultural product processing, marketing organizations, teaching, agricultural extension services, and various state and federal government agencies. This program is not recommended for students who have any aspirations toward pursuing a Ph.D. degree.

Students choosing the non-thesis option will be required to take a minimum of 35 hours of course work which will include AGSC 5350 - Independent Study of Contemporary Issues and Problems. The graduate student with guidance from his or her major advisor will identify

contemporary issues and problems in food and animal sciences, conduct a comprehensive literature review, write a report in a format of a review paper and make an oral presentation to his or her advisory committee.

Comprehensive Examination

Upon completion of core and concentration required courses including AGSC 5350, students choosing the non-thesis option must take a comprehensive written and oral examination administered by the student's advisory committee and other faculty members representing appropriate subject matter areas. The student's major advisor will serve as chairperson of the committee conducting the examination.

If a student fails the comprehensive examination, one retake will be allowed. Should the student again fail, a third and final examination may be taken upon completion of additional course work (minimum of 6 hours) to be selected by the student's advisory committee.

Program of Study

Core Courses: Thesis Option 18 Credit Hours; Non-Thesis Option 17 Credit Hours

- AGSC 5060 - Statistics for Research (3) **CIP:**
- AGSC 5110 - Research Methods (3) **CIP:**
- AGSC 5120 - Thesis Writing (Thesis Option) (4) **CIP:**
- AGSC 5150 - Livestock Production and Management (3) **CIP:**
- AGSC 5540 - Food Policies and Regulations 3 **CIP:**
- AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3) **CIP:**
- AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1) **CIP:**

Electives: 12 Credit Hours for Thesis Option or 18 Credit Hours for Non-Thesis Option with Advisor and Dept. Chair's Approval

- AGSC 5130 - Advanced Animal Nutrition (3) **CIP:**
- AGSC 5140 - Contemporary Issues in Animal Science (3) **CIP:**
- AGSC 5160 - Animal Genetics and Breeding (3) **CIP:**
- AGSC 5170 - Advanced Poultry Production and Management (3) **CIP:**
- AGSC 5280 - Advanced Poultry Nutrition and Biotechnology (3) **CIP:**
- AGSC 5340 - Cell and Issue Culture (4) **CIP:**
- AGSC 5470 - Immunochemistry in Biotechnology (3) **CIP:**
- AGSC 5520 - Advanced Processing and Engineering 3 **CIP:**
- AGSC 5530 - Advanced Technologies in Detection 3 **CIP:**
- AGSC 5550 - Food Safety and Sanitation 3 **CIP:**
- AGSC 5560 - Food Product Development and Sensory Science 3 **CIP:**
- AGSC 6010 - Gene Structure and Function (3) **CIP:**

Professional Science Masters

Applied Geospatial Information Systems, P.S.M.

Overview

The Professional Science Master's (PSM) Degree Program with a concentration in Applied Geospatial Information Sciences (GIS) was established to expand our existing online Graduate Certificate Program in Applied GIS. The program offers students opportunities to study a PSM Degree with a concentration in Applied GIS. Courses in this program are delivered online and on-ground with an additional on-the-job required internship. The program is designed for individuals who wish to pursue careers in professional settings other than research or academia, and who do not wish to pursue additional educational opportunities at the doctoral level. The PSM Degree Program with a concentration in Applied GIS requires completion of 36 semester credit hours. Students will be trained in real-world situations through internships and theoretical principles through online courses. Students will acquire on-the-job experience with at least 300 internship hours under the immediate supervision of an Applied GIS practitioner.

Admission Requirements

A student may join the program straight with a baccalaureate degree of a STEM or STEM-related field, or via the Graduate Certificate in Applied GIS. The first admission pathway requires a minimum grade point average of 2.75 on a 4.00 point scale and 290 or higher GRE score. The second admission pathway into the program consists of 18 credit hours of online Graduate Certificate in Applied GIS, all of which are transferable and partially fulfill requirements for the PSM program. On successful completion of the certificate program, students will be encouraged to transition into the PSM program using the change of program form from the Office of Graduate & Professional Studies. In order to transition into the PSM program, students must be in good graduate academic standing (GPA >3.0). Applicants must fulfill the following requirements for admission into the PSM Degree Program in Applied GIS: Applicants must fulfill the following requirements for admission into the PSM Degree Program in Applied GIS:

- A baccalaureate degree from an accredited institution in a STEM or STEM-related field with transcripts from all institutions attended; with a grade point average of 2.75 on a 4.00 point scale;
- A minimum score of 3 or higher on the Graduate Record Examination (GRE) analytical writing and a score of 290 or higher on the GRE (verbal and quantitative) or rank 30th percentile or higher on the GRE (verbal and quantitative);
- A one-page statement describing personal interests, career goals, and previous academic preparation (such as math, statistics, and/or critical thinking) that will help in evaluating the candidate's overall fit within the program;
- Two letters of recommendations from professional or academic contacts conveying the applicant's ability for success in the program; and
- Test of English as a Foreign Language (TOEFL) or other approved English proficiency test are required for international applicants from non-English speaking countries.

Degree Requirements

A total of 36 semester credit hours are required for completion of the PSM degree Program. Other requirements for its completion are similar to those of a traditional Master's of Science degree, with two major distinctions: 1) students will complete at least 300 internship hours instead of a thesis, and 2) students will complete a set of multidisciplinary courses of study expanded to include graduate business, economics, management, and public service. A full-time student should be able to complete the degree requirements in two years. Part-time students taking two courses (6 credit hours) per semester and four courses (12 credit hours) per academic year should be able to complete the degree requirements in three years. A cumulative grade point average of "B" (3.00 quality points) in all graduate courses taken at TSU is required for graduation. Guidelines on probation, suspension, and readmission into the program after suspension are the same as those published in this Graduate Catalog for other graduate programs.

Programs of Study

Major Field Core: Total credits: 15

- BISI 6550 - Project Management & Analysis (3) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**
- or
- AGSC 5080 - Agribusiness Management and Market Analysis (3) **CIP:**
- PRST 5040 - Human Resources Management (3)
- PRST 5100 - Professional Environment: Issues and Ethics (3) **CIP:**
- PRST 5310 - Leadership in Organization (3)

Concentrations Total Credits 21

- PSMA 6510 - Geospatial Information Systems (3) **CIP:**
- PSMA 6520 - Advanced Spatial Analysis (3)
- PSMA 6525 - Remote Sensing and Image Analysis (3) **CIP:**
- or
- PSMA 6560 - Advanced Global Positioning Systems (3) **CIP: ***
- PSMA 6530 - Advanced Geospatial Metadata (3) **CIP:**
- PSMA 6540 - Advanced Spatial Database Design and Management (3) **CIP:**
- PSMA 6550 - Advanced Geospatial Information Systems Application and Design (3) **CIP:**
- PSMA 6585 - Internship in Applied Geospatial Sciences (3) **CIP:**

Note:

*Only eligible for students within commuting distance from TSU.

Certificate

Applied Geospatial Information Systems Certificate

Overview

The Graduate Certificate in Applied GIS is an online stand-alone non-degree program designed for degree-holding individuals who wish to enhance their knowledge and skills in GIS for their professional growth and career development. The program will prepare individuals to meet the rapidly increasing need for the graduates in highly specialized application and use of GIS. Certificate courses are designed and taught with a focus on the practical application of GIS. The Certificate program requires completion of six courses (18 credit hours) in GIS and Global Positioning Systems (GPS) and can be completed by a part-time student in twelve months.

Admission Process

Applicants for the Certificate program must hold a baccalaureate degree from an accredited institution of higher education and must meet the Graduate School requirements for non-degree admission and retention as published in the University catalog. Requests for application forms and materials should be directed to the School of Graduate Studies and Research.

Certificate Requirements

To earn the Graduate Certificate in Applied Geospatial Information Systems, students must satisfactorily complete the following courses:

- PSMA 6510 - Geospatial Information Systems (3) **CIP:**
- PSMA 6520 - Advanced Spatial Analysis
- PSMA 6530 - Advanced Geospatial Metadata (3) **CIP:**
- PSMA 6540 - Advanced Spatial Database Design and Management (3) **CIP:**
- PSMA 6550 - Advanced Geospatial Information Systems Application and Design (3) **CIP:**
- PSMA 6560 - Advanced Global Positioning Systems (3) **CIP:**

Note:

The Certificate is awarded upon the successful completion of the six courses (18 semester credit hours).

Department of Agricultural and Environmental Sciences

Samuel Nahashon, Ph.D.,

Department Chair

Office: 108 Lawson Hall (615) 963-5829 or 5431

snahashon@tnstate.edu

The graduate programs in the Department of Agricultural and Environmental Sciences are designed to provide students with a solid and the most relevant up-to-date curriculum that blends 21st-century leadership skills and scientific knowledge to solve problems in agriculture and related areas. Students will develop the necessary set of skills and competency, and expand their knowledge, creativity, and scholastic activities through classroom, experiential hands-on learning, and networking opportunities that prepare them for today's ever-demanding job market. The graduate students have opportunities to conduct basic and applied research in food, agricultural and environmental sciences to solve contemporary issues, challenges, and problems

encountered by the society at local, regional and global levels. Students' engagement in research activities not only provide a learning experience but also contribute to the university's research mission. The graduate programs are tailored to prepare students for careers in food, agricultural and environmental sciences to meet the growing demand for such professionals in the private industries, academia and government sectors. The graduate program is administered at the Certificate, Master of Science (M.S.), Professional Science Master's (PSM) and the Doctor of Philosophy (Ph.D.) levels.

The Department is home to over four dozen graduate faculty members with diverse experience, and educational training and background. There are 35 research laboratories on the main campus housed in Lawson Hall Annex, Farrell-Westbrook Agricultural Research Complex, and the Agricultural Biotechnology Building. These laboratories provide state-of-the-art equipment essential for advanced microbiological, biotechnology, environmental sciences, food science, and animal science research using the latest cutting-edge technologies. To facilitate field research, there are three field research stations - the main campus Agricultural Research and Education Center; the Cheatham County Agricultural Demonstration and Research Center; and the Otis L. Floyd Nursery Research Center at McMinnville, which also houses numerous research labs.

OBJECTIVES

The graduate programs in the Department of Agricultural and Environmental Sciences are designed to prepare students to become:

1. Professionals and research scholars who have in-depth knowledge, and skills in the increasingly complex field of agriculture and related areas;
2. Scholars for rewarding and challenging careers in government, the agricultural industry, international organizations, and higher education;
3. Scholars to take leadership roles in professional food, agricultural and environmental sciences;
4. Agricultural professionals capable of evaluating and defining a diverse set of problems, and developing feasibility studies to find solutions to the problems;
5. Experts who can analyze and interpret data, and develop, implement, and evaluate acceptable solutions to the real-world problems encountered by the government, academia, industry, and society in general;
6. Scholars capable of communicating effectively to diverse audiences; and
7. Scholars who are fully prepared for further training in doctoral and/or post-doctoral programs.

DEGREE PROGRAMS

The Department offers the following graduate degrees

1. M.S. in Agricultural Sciences
2. M.S. in Food and Animal Sciences
3. Professional Sciences Master's (P.S.M.) in Applied Geospatial Sciences
4. Graduate Certificate in Applied Geospatial Information Systems

5. Ph.D. in Biological Sciences*

*The Ph.D. degree in Biological Sciences is an interdepartmental degree program offered jointly by the Departments of Agricultural and Environmental Sciences, and Biological Sciences.

Agricultural Sciences Faculty

Doctor of Philosophy

Biological Sciences, Ph.D.

Admission Requirements: Ph.D. Program

See admission requirements under Ph.D. Program - Department of Biological Sciences

Program of Study

The degree candidate must file a program of study after completing nine semester hours of graduate work, but before completing fifteen hours of graduate work. The program lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

Admission to Candidacy

The student must apply for admission to candidacy after completing the 24-hour core of required courses (See Degree Requirements: Ph.D. Program, below.) With an average of B (3.0) or better, passing the comprehensive examination, and gaining approval of the dissertation proposal.

Degree Requirements

Degree candidates must complete the core of required graduate courses (24 hours) with a grade of B or better in each course, pass the comprehensive examination, and gain approval of their dissertation proposal prior to obtaining admission to candidacy for the doctoral degree.

After gaining admission to candidacy the student must complete an approved curriculum (24 hours minimum of electives set by the student's research advisory committee), enroll in Graduate Seminar (BIOL 5010, BIOL 5020) or the Seminar in Biology every semester (BIOL 7010, BIOL 7020), complete a dissertation (24 hours), and successfully defend the dissertation prior to gaining the Ph.D. degree.

Required Courses: 24 Hours

To be completed prior to Admission to Candidacy

- BIOL 5100 - Literature and Methods in Research (3) **CIP:**
- BIOL 5180 - Cell Biology (3) **CIP:**
- BIOL 6100 - Frontiers in Molecular Science (3) **CIP:**
- BIOL 7120 - Molecular Biology (3) **CIP:**
- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**
- CHEM 5600 - Spectroscopic Methods In Chemistry (3) **CIP:**

- STAT 5210 - Statistical Methods I (3)

After Admission to Candidacy: 52 Hours

- Electives (24)
- BIOL 5010 - Graduate Seminar I (1) **CIP:**
- BIOL 5020 - Graduate Seminar II (1) **CIP:**
- BIOL 7010 - Seminar in Biology I (1) **CIP:**
- BIOL 7020 - Seminar in Biology II (1) **CIP:**
- BIOL 8110 - Dissertation Research (1-9) **CIP:** (24)

Graduate Elective Courses

- AGSC 5160 - Animal Genetics and Breeding (3) **CIP:**
- AGSC 5280 - Advanced Poultry Nutrition and Biotechnology (3) **CIP:**
- AGSC 5190 - Plant Breeding (3) **CIP:**
- AGSC 7010 - Advancement in Agricultural Biotechnology (3) **CIP:**
- AGSC 7020 - Economic, Regulatory and Ethical Issues in Biotechnology (3) **CIP:**
- AGSC 7030 - Gene Expression and Regulation in Eukaryotes (3) **CIP:**
- AGSC 7040 - Plant Tissue Culture Methods and Applications (3) **CIP:**
- AGSC 7050 - Biotechnology in Animal Reproduction (3) **CIP:**
- AGSC 7060 - Soil Technology (3) **CIP:**
- AGSC 7070 - Applied Genomics (3) **CIP:**

Agricultural & Environmental Sciences

AGSC 5010 - Foundations of Agricultural and Extension Education (3)

AGSC 5012 - Food Supply and Value Chain Management (3)

AGSC 5014 - Food Marketing and Retail Management (3)

AGSC 5015 - Principles of Organic Agriculture (3)

AGSC 5020 - Teaching and Learning Methods in Agricultural and Extension Education (3)

AGSC 5030 - Curriculum Development and Program Leadership in Agricultural and Extension Education (3)

AGSC 5040 - Program Planning, Development and Evaluation (3)

AGSC 5050 - Methods of Teaching Agricultural and Environmental Stem (3)

AGSC 5060 - Statistics for Research (3)

AGSC 5080 - Agribusiness Management and Market Analysis (3)

AGSC 5090 - Food and Fiber Industry (3)

AGSC 5100 - Environmental, Resource Economics and Management (3)

AGSC 5110 - Research Methods (3)
 AGSC 5120 - Thesis Writing (Thesis Option) (4)
 AGSC 5130 - Advanced Animal Nutrition (3)
 AGSC 5140 - Contemporary Issues in Animal Science (3)
 AGSC 5150 - Livestock Production and Management (3)
 AGSC 5160 - Animal Genetics and Breeding (3)
 AGSC 5170 - Advanced Poultry Production and Management (3)
 AGSC 5180 - Soil Classification (3)
 AGSC 5190 - Plant Breeding (3)
 AGSC 5220 - Plant Growth Substances (3)
 AGSC 5230 - Advanced Propagation of Horticultural Plants (3)
 AGSC 5240 - Plant Protection (3)
 AGSC 5260 - Environmental Analysis (3)
 AGSC 5270 - Biosecurity and Bioforensics (3)
 AGSC 5280 - Advanced Poultry Nutrition and Biotechnology (3)
 AGSC 5290 - Omics (3)
 AGSC 5300 - Applied Microeconomics in Agribusiness (3)
 AGSC 5310 - International Agricultural Trade and Marketing (3)
 AGSC 5320 - Wetlands Ecology and Management (3)
 AGSC 5330 - Agribusiness Strategy (3)
 AGSC 5340 - Cell and Issue Culture (4)
 AGSC 5350 - Independent Study of Contemporary Issues and Problems (Non-Thesis Option) (3)
 AGSC 5380 - Industrial and Environmental Biotechnology 3
 AGSC 5400 - Animal Reproductive Physiology 3
 AGSC 5440 - Reproductive Physiology (3)
 AGSC 5470 - Immunochemistry in Biotechnology (3)
 AGSC 5500/7500 - Environmental Issues and Sustainability 3
 AGSC 5510 - Ecosystem Science and Management (3)
 AGSC 5520 - Advanced Processing and Engineering 3
 AGSC 5530 - Advanced Technologies in Detection 3
 AGSC 5540 - Food Policies and Regulations 3
 AGSC 5550 - Food Safety and Sanitation 3
 AGSC 5560 - Food Product Development and Sensory Science 3

AGSC 5570 - Climate Change (3)

AGSC 5610-5620 - Graduate Seminar in Agricultural Sciences (1-1)

AGSC 5900 - Applied Entomology (3)

AGSC 6010 - Gene Structure and Function (3)

AGSC 6510 - Advanced Geospatial Information System 3

AGSC 6520 - Advanced Spatial Analysis (3)

AGSC 6525 - Remote Sensing and Image Analysis 3

AGSC 6530 - Advanced Geospatial Metadata 3

AGSC 6550 - Advanced Spatial Information Systems Application and Design 3

AGSC 6585 - Internship in Applied Geospatial Sciences 3

AGSC 7010 - Advancement in Agricultural Biotechnology (3)

AGSC 7020 - Economic, Regulatory and Ethical Issues in Biotechnology (3)

AGSC 7030 - Gene Expression and Regulation in Eukaryotes (3)

AGSC 7040 - Plant Tissue Culture Methods and Applications (3)

AGSC 7050 - Biotechnology in Animal Reproduction (3)

AGSC 7060 - Soil Technology (3)

AGSC 7070 - Applied Genomics (3)

AGSC 7080 - Host-Microbe Interactions 3

AGSC 7510 - Ecosystem Science and Management (3)

AGSC 7590 - Applied Multivariate Statistics 3

AGSC 7900 - Applied Entomology (3)

PSMA 6560 - Advanced Global Positioning System 3

PSMA 6560 - Advanced Global Positioning Systems 3

Professional Science Master's - Agricultural & Environmental Sciences

PSMA 6510 - Geospatial Information Systems (3)

PSMA 6525 - Remote Sensing and Image Analysis (3)

PSMA 6530 - Advanced Geospatial Metadata (3)

PSMA 6540 - Advanced Spatial Database Design and Management (3)

PSMA 6550 - Advanced Geospatial Information Systems Application and Design (3)

PSMA 6560 - Advanced Global Positioning Systems (3)

PSMA 6585 - Internship in Applied Geospatial Sciences (3)

College of Agriculture Graduate Faculty

Aditya Khanal, Assistant Professor

B.S., 2007, Tribhuvan University, Nepal, M.S., 2010, Louisiana State University, M.A., 2012, Virginia Tech, M.S., 2014, Louisiana State University, Ph.D., 2015, Louisiana State University.

Agnes Kilonzo-Nthenge, Associate Professor

B.S., 1992, University of Eastern Africa, Kenya; M.S. 1997, Tuskegee University; Ph.D., 2003, Auburn University

Ahmad N. Aziz, Professor

B.S., 1988, Barani Agricultural College; M. Phil, 1991, Quaid-e-Azam University; Ph.D., 1998, University of New Brunswick

Ali Taheri, Assistant Professor

MSc in Horticulture, 2000, University of Tehran, Tehran, Iran; Ph.D. in Plant Molecular Biology 2009, University of Guelph, Ontario, Canada

Aliyar Fouladkhah, Assistant Professor

B.S., 2007, National University of Iran; M.S., 2009, Colorado State University; Ph.D., 2013, Colorado State University; MPH, 2014, Yale University.

Ankit Patras, Assistant Professor

B.S. 2002, Allahabad Agriculture Institute; India; MS, 2004, Ph.D., 2009, University College Dublin/Trojan Technologies & University of Guelph, Canada.

Anthony Witcher, Assistant Professor

B.S., 1998, Louisiana Tech University; M.S., 2003, Louisiana State University, Ph.D., 2013, University of Southern Mississippi

Arvazena Clardy, Associate Professor

B.S., 1989, Tennessee State University; M.S., 1993, Tennessee State University; Ph.D., 1999, Alabama A & M University

Bharat Pokharel, Assistant Professor BSc. Hons., 1998; Australian National University, Ph.D., 2008, Michigan Technological University

Carolyn Boykins-Winrow, Assistant Professor

M.S. 1988, Tennessee State University; Ph.D., 2001, Michigan State University

Chandra Reddy, Professor, Dean, and Director of Land Grant Programs

B.S., Andhra Pradesh Agricultural University; M.Sc. - Andhra Pradesh Agricultural University; Ph.D. University of Florida

Christine A. Ondzighi-Assoume, Assistant Professor

B.S., 1995, M.S., 1996, D.E.A, 1998, Ph.D. with Honors 2003, University of Rouen, France.

De'Etra Young, Assistant Professor

B.S. 2004, Southern University and A&M College; M.S., 2006, Ph.D., 2010, Texas A&M University

Dharma S. Pitchay, Associate Professor

B.Sc. 1981, Agriculture University of Malaysia, M.S., 1997, West Virginia University, Ph.D., 2002, North Carolina State University.

Dilip Nandwani, Associate Professor

B.S. 1985, University of Jodhpur; MS, 1987, University of Jodhpur; Ph.D., 1991, University of Jodhpur

Emmanuel Kudjo Dzantor, Associate Professor

B.S., 1974, University of Science and Technology, Kumasi, Ghana; MS, 1978; Ph.D. 1980, University of Wisconsin

Enefiok Ekanem, Professor

B.S., 1981, Ohio University, M. A., 1983, Ohio University, M. A., 1986, Ohio University, M. S. 1987, Ohio University, Ph. D. 1992, University of Minnesota

Fisseha Tegegne, Professor

B.A. 1973, Haile Selassie I University; M.S., 1977, University of Strathclyde; Ph.D., 1990, Michigan State University

Fitzroy D. Bullock, Professor

B.S., 1973, Loma Linda University; M.S., 1975, Tennessee State University; Ph.D., 1980, University of Tennessee-Knoxville

Fulya Baysal-Gurel, Assistant Professor

B.S., 1994, M.S., 1997, Ph.D., 2003, Cukurova University, Turkey.

Fur-Chi Chen, Professor

B.S., 1987, Chung Shan Medical & Dental College, Taiwan; M.S., 1994, University of Wisconsin-Stout; Ph.D., 1998, Auburn University

George Smith, Assistant Professor

B.L.A., 1975, University of Toronto; M.A. (Planning), 1990, University of Waterloo; Ph.D., 2001, University of Guelph (Canada)

Hongwei Si, Associate Professor

DVM, 1995, Gansu Agricultural University, MS, 1998, Gansu Agricultural University, Ph.D., 2007, Virginia Tech.

Jason Oliver, Associate Professor

B.S., 1987, M.S., 1990, University of Tennessee; Ph.D., 1999, Auburn University.

Jason P. de Koff, Associate Professor

B.S., 2000, Ithaca College; M.S., 2004, UC Riverside; Ph.D., 2008, Purdue University

Jianwei Li, Assistant Professor

B.S. 2001, China Agricultural University; Ph.D., 2009, Duke University

Jianwei Li, Assistant Professor

B.S. 2001, China Agricultural University; Ph.D., 2009, Duke University

John Ricketts, Associate Professor

B.S. 1996, Middle Tennessee State University; M.V.T.E., 2000, Middle Tennessee State University; Ph.D., 2003, University of Florida

Karla Adesso, Assistant Professor

B.S. 2002, The College of New Jersey; Ph.D., 2007, University of Florida

Kaushalya G. Amarasekare, Assistant Professor

B.S., 1993, University of Peradeniya, Sri Lanka; M.S., 2002, Oklahoma State University, Ph.D., 2007, University of Florida

Korsi Dumenyo, Associate Professor

B.S., 1990, University of Ghana, Legon; M.S., 1994, Tuskegee University; Ph.D., 2000, University of Missouri

Lan Li, Assistant Professor

B.S., 1998, Tianjin Polytechnic University; M.S., 2001, China Agricultural University; Ph.D., 2007, University of California, Davis.

Lim, Kar Ho, Assistant Professor

B.S. 2004, University of Kentucky; M.S., 2009, University of Kentucky; Ph.D., 2012, University of Kentucky.

Makonnen Lema, Associate Professor

B.S., 1977 Haile Selassie University; M.S., 1980, Addis Ababa University; Ph.D., 1994, Oklahoma State University

Margaret T. Mmbaga, Professor

B.S., 1974; M.S., 1976, University of Dar es Salaam, Tanzania; Ph.D., 1980, University of Wisconsin, Madison

Matthew W. Blair, Associate Professor

B.S., 1987, Cornell University; M.S., 1993, University of Puerto Rico, Mayaguez Puerto Rico; Ph.D., 1997, Cornell University

Prabodh Illukpitiya, Associate Professor

B.S., University of Peradeniya, Sri Lanka; M.S., Norwegian University of Life Sciences; Ph.D., University of Hawai'i at Manoa.

Ramasamy Ravi, Assistant Professor

BSc., 1987, Madurai Kamaraj University, India; MSc., 1997, Ph.D., 2006, University of Mysore, India

Reginald Archer, Assistant Professor

B.S., 1996; M.S., 2005, University of Florida; Ph.D., 2013, University of California, Santa Barbara.

Richard Browning, Jr., Professor

B.S., 1989 Prairie View A&M University; M.S. 1992, Ph.D., 1994; Texas A & M University

Roger J. Sauve, Research Professor

B.S., 1970, M.S., 1972, Ph.D., 1978, University of Florida

Sam O. Dennis, Associate Professor

B.S., 1978, Middle Tennessee State University; M.S., 1980, Tennessee State University; Ph.D., 1999, Alabama A&M University

Samuel Nahashon, Professor

B.S., 1987, Andrews University; M.S., 1990, Tuskegee University; Ph.D., 1994, Oregon State University

Sky Georges, Assistant Professor

B.A., 2011, M.S., 2013, Ph.D., 2018, University of Florida

Solomon Haile, Associate Professor

B.S., 1993, Alemaya Agricultural University; M.S., 1997, Wageningen University; Ph.D., 2007, University of Florida

Sudipta Rakshit, Assistant Professor

BSc., 1997, University of Calcutta; MSc., 1999, University of Calcutta; M.S., 2002, University of Iowa; Ph.D., 2006, University of Kentucky.

Suping Zhou, Professor

B.S., 1985, Hebei Agricultural University, China; M.S., China; 1988, Shandong Agricultural University; Ph.D., 1998, Naijing Agricultural University, China

Thomas W. Broyles, Associate Professor

B.S., 1994, M.S., 2000, Ph.D., 2004, Virginia Tech.

William Sutton, Assistant Professor

B.S. 2002, Wheeling Jesuit University; M.S., 2004, Marshall University, Ph.D., 2010, Alabama A&M University.

Ying Wu, Associate Professor

B.S., 1991, Inner Mongolia Agricultural University (P.R. China); M.S., 1994, Inner Mongolia Agricultural University (P.R. China); M.S., 2000, University of Guelph (Canada); Ph.D., 2010, University of Guelph (Canada)

Yongming (Simon) Sang, Associate Professor

B.S., 1987, Anhui Science and Technology University, China; D.Sc., 1996, Nanjing Agricultural University, China; Ph.D., 2008, Kansas State University

College of Business

Millicent Lownes-Jackson, Ph.D., Dean Office: K426,

Office: Suite K426 Avon Williams Campus

(615) 963-7124

mldownes@tnstate.edu

<http://www.tnstate.edu/business/>

Anis Mnif, MBA, Director of Graduate Programs

Office: Suite J402, Avon Williams Campus

(615)963-7295

amnif@tnstate.edu

<http://www.tnstate.edu/mba/>

General Statement

The College of Business at Tennessee State University is strongly grounded with a stellar reputation afforded by accreditation at both the undergraduate and graduate levels by the major accrediting agency for business schools - AACSB International-The Association to Advance Collegiate Schools of Business. The College is poised to successfully fulfill its mission with new academic programs, new corporate alliances, new international partners, and a newly renovated academic facility on the Avon Williams Campus which includes a state-of-the-art financial trading center.

Vision Statement

The College of Business strives to achieve national and international prominence in educating current and future business professionals for the global economy.

Mission Statement

Our mission is to educate current and future business professionals through innovative teaching and research focused on contemporary business concepts for the global economy, complemented with a commitment to service and lifelong learning.

Guiding Principles and Core Values

- Accountability
- Continuous Improvement
- Diversity
- Ethical Conduct
- Excellence
- Global Perspective
- Scholarship
- Service
- Shared Governance

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates have the opportunity to question, explore, and discuss the subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

Business Administration, Accelerated M.B.A.

Business Administration Major

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates

have the opportunity to question, explore, and discuss subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

The MBA Traditional Option is designed for the working professional and non-traditional student. The Traditional Option consists of 12 courses for 36 hours of credit. All courses are offered in the evenings from 5:30-8:30 P.M. Monday through Thursday at the Avon Williams Campus located in downtown Nashville minutes from the financial center, major entertainment venues, the riverfront, and convenient housing. The MBA Traditional Option offers concentrations in Accounting, Management of Information Systems, Finance, Supply Chain Management or General Business. Courses are available on campus and meet once a week Monday through Friday, 5:30-8:30 P.M.

The MBA Accelerated Option is a progressive Master of Business Administration Program directed to adult learners. This innovative accelerated learning option offers the MBA degree in a shorter time-frame while achieving the same number of class hours and learning outcomes as the College's traditional MBA program. The Accelerated Option consists of 36 credit hours that are completed in 12 short months leading to the General MBA. The MBA Accelerated Option requires 11 courses (33 credit hours) and one elective course (3 credit hours).

Classes are conveniently offered:

- Fridays from 5:30 p.m. - 9:30 p.m. (on the Avon Williams Campus campus)
- Saturdays from 8:00 a.m. - 4:00 p.m. (on the Avon Williams Campus Campus)
- Fully online during the summer

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Program Goals

The MBA Program adheres to the core values of the College and is designed to provide strategic, behavioral and technical competencies relevant to contemporary business practice. The goals of the program provide guidance for course design and development for the enhancement of student skills and to add value in both content and analytical/critical faculties.

The specific program learning goals are:

Goal 1: Students will be able to creatively apply quantitative and qualitative techniques to make effective business decisions.

Goal 2: Students will effectively use leadership skills to achieve goals.

Goal 3: Students will demonstrate an understanding of the global dimensions of business.

Goal 4: Students will demonstrate an understanding of the ethical dimensions of business.

Goal 5: Students will be able to integrate knowledge across fields to assess business situations.

Admission Requirements

Anyone wishing to take courses for graduate credit must apply for admission to the Graduate School. General admission requirements for the Graduate School are described in the Admissions, Regulations, and Policies Section of this Catalog. In addition to the requirements of the Graduate School, MBA applicants must meet the following requirements of the College of Business.*

1. 950 points based on the formula: 200 times 4-year undergraduate GPA plus GMAT score or;
2. 1000 points based on the formula: 200 times Junior-senior GPA plus GMAT score.

* Note - A limited number of exceptions to the above standards may be given for extensive professional experience.

All documents, including official transcripts, must be received by the Graduate School before a student will be considered for admission. Conditional admission is granted for one semester if a student has a 3.0 undergraduate GPA, has taken all prerequisites, and agrees to take the GMAT during their initial semester in the MBA Program. To remain in the program, the student must meet the 950 or 1,000 point criteria cited above.

All applicants are:

1. Expected to be competent in oral and written English
2. Expected to satisfy all prerequisite requirements in a particular discipline before enrolling in graduate-level courses in that discipline for credit; and
3. Expected to satisfy all prerequisites by the time nine hours of graduate-level work are completed.

Students are required to maintain a 3.0-grade point average in the program. In required core courses, grades below "C" are not accepted for credit toward the degree. Advisors can help students plan a program of study and assist them in planning to meet successfully all requirements of their program. Students must be admitted on either a conditional or unconditional basis in order to take MBA degree courses.

Transfer of Credit Policy

Students may transfer up to 12 credit hours of approved coursework from an AACSB Accredited College of Business or may transfer up to 6 credit hours of approved coursework from a regionally accredited University.

Degree Requirements

1. Candidates must satisfy all prerequisites, complete core requirements and other approved courses to satisfy the minimum number of semester hours required for a graduate degree, and accumulate a minimum GPA of "B" or 3.0 on a 4.0 system.
2. Candidates must file the application of "Admission to Candidacy" for the MBA degree after completing all required prerequisites and nine (9) semester hours of graduate course work taken in residence with a "B" average in all courses taken for graduate credit. The recommendation of the major advisor and approval of the Dean of the Graduate School are required.
3. Candidates must file "Application for Graduation" at least one full semester prior to commencement, including clearance with the major advisor, the Dean of the Graduate School, the Business Office, the Placement Bureau, the Office of Admissions and Records, and the University Library.
4. Candidates should attend commencement. The MBA degree may be awarded in absentia upon prior approval by the Dean of the Graduate School.

The TSU MBA curriculum is a broad-based management education that provides students with the knowledge and skills to assume leadership positions in the public sector and private companies. The MBA curriculum consists of 36 hours of credit. Students that do not have an undergraduate degree in business will need to take foundation courses prior to beginning the graduate coursework. These courses may include the foundation courses listed below.

Foundation Courses

Undergraduate Foundation Courses

- Accounting Principles (6)
- Information Systems & Statistics (6)
- Economics Principles & Business Finance (9)
- Management & Marketing Principles (6)

Total: 27 Sem. Hrs.

OR

Graduate Foundation Courses

- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- BISI 5000 - Information Systems and Statistics (3) (not for graduate credit) **CIP:**
- ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**

Total: 12 Sem. Hrs.

MBA Accelerated Option Program of Study

Spring

- Weeks 1-4 - Statistical Decision Making (3)
- Weeks 5-8 - Managerial Decision Making (3)
- Weeks 9-12 - Management & Evaluation of Information Systems (3)
- Weeks 13-16 - Managerial Finance (3)

Summer

- 1st Session - MBA Elective TBD (3)
- 1st Session - Corporate Asset Management or Logistics (3)
- 2nd Session - MBA Elective TBA (3)
- 2nd Session - Managerial Economics (3)

Fall

- Weeks 1-4 - Marketing Management (3)
- Weeks 5-8 - Behavior in Organizations (3)
- Weeks 9-12 - Operations Management (3)
- Weeks 13-16 - Business Strategy & the Economic Environment (3)

Total Semester Hours: 36

Business Administration, Executive MBA

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Executive MBA Program of Study

FALL

Weeks 1-4 Management & Evaluation of Information

Systems 3

Weeks 5-8 Statistical Methods 3

Weeks 9-12 Accounting & Business Decisions	3
Weeks 13-16 Managerial Economics	3

SPRING

Weeks 1-4 Managerial Finance	3
Weeks 5-8 Legal Issues in Management	3
Weeks 9-12 Operations Management	3
Weeks 13-16 Marketing Management	3

SUMMER

First Session

Behavior in Organizations	3
Managing Global Challenges (or)	
Global Immersion Residency	3

2nd Session Logistics

MBA elective TBD	3
Business Strategy & The Economic Environment	3
Total Semester Hours	36

Business Administration, Traditional Option, Accounting Concentration, M.B.A.

Business Administration Major

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates have the opportunity to question, explore, and discuss subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates

for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

The MBA Traditional Option is designed for the working professional and non-traditional student. The Traditional Option consists of 12 courses for 36 hours of credit. All courses are offered in the evenings from 5:30-8:30 P.M. Monday through Thursday at the Avon Williams Campus located in downtown Nashville minutes from the financial center, major entertainment venues, the riverfront, and convenient housing. The MBA Traditional Option offers concentrations in Accounting, Management of Information Systems, Finance, Supply Chain Management or General Business. Courses are available on campus and meet once a week Monday through Friday, 5:30-8:30 P.M.

The MBA Accelerated Option is a progressive Master of Business Administration Program directed to adult learners. This innovative accelerated learning option offers the MBA degree in a shorter time-frame while achieving the same number of class hours and learning outcomes as the College's traditional MBA program. The Accelerated Option consists of 36 credit hours that are completed in 12 short months leading to the General MBA. The MBA Accelerated Option requires 11 courses (33 credit hours) and one elective course (3 credit hours).

Classes are conveniently offered:

- Fridays from 5:30 p.m. - 9:30 p.m. (on the Avon Williams Campus campus)
- Saturdays from 8:00 a.m. - 4:00 p.m. (on the Avon Williams Campus Campus)
- Fully online during the summer

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Program Goals

The MBA Program adheres to the core values of the College and is designed to provide strategic, behavioral and technical competencies relevant to contemporary business practice. The goals of

the program provide guidance for course design and development for the enhancement of student skills and to add value in both content and analytical/critical faculties.

The specific program learning goals are:

Goal 1: Students will be able to creatively apply quantitative and qualitative techniques to make effective business decisions.

Goal 2: Students will effectively use leadership skills to achieve goals.

Goal 3: Students will demonstrate an understanding of the global dimensions of business.

Goal 4: Students will demonstrate an understanding of the ethical dimensions of business.

Goal 5: Students will be able to integrate knowledge across fields to assess business situations.

Admission Requirements

Anyone wishing to take courses for graduate credit must apply for admission to the Graduate School. General admission requirements for the Graduate School are described in the Admissions, Regulations, and Policies Section of this Catalog. In addition to the requirements of the Graduate School, MBA applicants must meet the following requirements of the College of Business.*

1. 950 points based on the formula: 200 times 4-year undergraduate GPA plus GMAT score or;

2. 1000 points based on the formula: 200 times Junior-senior GPA plus GMAT score.

* Note - A limited number of exceptions to the above standards may be given for extensive professional experience.

All documents, including official transcripts, must be received by the Graduate School before a student will be considered for admission. Conditional admission is granted for one semester if a student has a 3.0 undergraduate GPA, has taken all prerequisites, and agrees to take the GMAT during their initial semester in the MBA Program. To remain in the program, the student must meet the 950 or 1,000 point criteria cited above.

All applicants are:

1. Expected to be competent in oral and written English
2. Expected to satisfy all prerequisite requirements in a particular discipline before enrolling in graduate-level courses in that discipline for credit; and
3. Expected to satisfy all prerequisites by the time nine hours of graduate-level work are completed.

Students are required to maintain a 3.0-grade point average in the program. In required core courses, grades below "C" are not accepted for credit toward the degree. Advisors can help students plan a program of study and assist them in planning to meet successfully all requirements of their program. Students must be admitted on either a conditional or unconditional basis in order to take MBA degree courses.

Transfer of Credit Policy

Students may transfer up to 12 credit hours of approved coursework from an AACSB Accredited College of Business or may transfer up to 6 credit hours of approved coursework from a regionally accredited University.

Degree Requirements

1. Candidates must satisfy all prerequisites, complete core requirements and other approved courses to satisfy the minimum number of semester hours required for a graduate degree, and accumulate a minimum GPA of "B" or 3.0 on a 4.0 system.
2. Candidates must file the application of "Admission to Candidacy" for the MBA degree after completing all required prerequisites and nine (9) semester hours of graduate course work taken in residence with a "B" average in all courses taken for graduate credit. The recommendation of the major advisor and approval of the Dean of the Graduate School are required.
3. Candidates must file "Application for Graduation" at least one full semester prior to commencement, including clearance with the major advisor, the Dean of the Graduate School, the Business Office, the Placement Bureau, the Office of Admissions and Records, and the University Library.
4. Candidates should attend commencement. The MBA degree may be awarded in absentia upon prior approval by the Dean of the Graduate School.

The TSU MBA curriculum is a broad-based management education that provides students with the knowledge and skills to assume leadership positions in the public sector and private companies. The MBA curriculum consists of 36 hours of credit. Students that do not have an undergraduate degree in business will need to take foundation courses prior to beginning the graduate coursework. These courses may include the foundation courses listed below.

Foundation Courses

Undergraduate Foundation Courses

- Accounting Principles (6)
- Information Systems & Statistics (6)
- Economics Principles & Business Finance (9)
- Management & Marketing Principles (6)

Total: 27 Sem. Hrs.

OR

Graduate Foundation Courses

- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- BISI 5000 - Information Systems and Statistics (3) (not for graduate credit) **CIP:**
- ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**

Total: 12 Sem. Hrs.

MBA Traditional Option Program of Study

- ACCT 6010 - Accounting and Business Decisions (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**
- ECON 6010 - Statistical Methods (3) **CIP:**
- ECON 6110 - Managerial Economics (3) **CIP:**
- FINA 6300 - Managerial Finance (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- MGMT 6060 - Operations Management (3) **CIP:**
- MGMT 6110 - Business Strategy and The Economic Environment (3) **CIP:**
- MKTG 6050 - Marketing Management (3) **CIP:**

MBA Traditional Option Elective Requirements: 9 Sem. Hrs.

3 elective courses in one area of concentration.

Total Semester Hours: 36

MBA Traditional Option Concentrations

- Accounting
- Finance
- Management Information Systems
- Supply Chain

Concentration I: Accounting*: 9 Hours

- ACCT 6170 - Federal Tax Research (3) **CIP:**
- ACCT 6200 - Accounting Information Systems (3) **CIP:**
- ACCT 6250 - International Accounting (3) **CIP:**

Note:

***MBA Concentration in Accounting students should have completed Intermediate Accounting I and II, Cost Accounting, and Income Tax I as prerequisites for graduate accounting courses.**

Business Administration, Traditional Option, Finance Concentration, M.B.A.

Business Administration Major

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates have the opportunity to question, explore, and discuss subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

The MBA Traditional Option is designed for the working professional and non-traditional student. The Traditional Option consists of 12 courses for 36 hours of credit. All courses are offered in the evenings from 5:30-8:30 P.M. Monday through Thursday at the Avon Williams Campus located in downtown Nashville minutes from the financial center, major entertainment venues, the riverfront, and convenient housing. The MBA Traditional Option offers concentrations in Accounting, Management of Information Systems, Finance, Supply Chain Management or General Business. Courses are available on campus and meet once a week Monday through Friday, 5:30-8:30 P.M.

The MBA Accelerated Option is a progressive Master of Business Administration Program directed to adult learners. This innovative accelerated learning option offers the MBA degree in a shorter time-frame while achieving the same number of class hours and learning outcomes as the College's traditional MBA program. The Accelerated Option consists of 36 credit hours that are completed in 12 short months leading to the General MBA. The MBA Accelerated Option requires 11 courses (33 credit hours) and one elective course (3 credit hours).

Classes are conveniently offered:

- Fridays from 5:30 p.m. - 9:30 p.m. (on the Avon Williams Campus campus)
- Saturdays from 8:00 a.m. - 4:00 p.m. (on the Avon Williams Campus Campus)
- Fully online during the summer

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the

United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Program Goals

The MBA Program adheres to the core values of the College and is designed to provide strategic, behavioral and technical competencies relevant to contemporary business practice. The goals of the program provide guidance for course design and development for the enhancement of student skills and to add value in both content and analytical/critical faculties.

The specific program learning goals are:

Goal 1: Students will be able to creatively apply quantitative and qualitative techniques to make effective business decisions.

Goal 2: Students will effectively use leadership skills to achieve goals.

Goal 3: Students will demonstrate an understanding of the global dimensions of business.

Goal 4: Students will demonstrate an understanding of the ethical dimensions of business.

Goal 5: Students will be able to integrate knowledge across fields to assess business situations.

Admission Requirements

Anyone wishing to take courses for graduate credit must apply for admission to the Graduate School. General admission requirements for the Graduate School are described in the Admissions, Regulations, and Policies Section of this Catalog. In addition to the requirements of the Graduate School, MBA applicants must meet the following requirements of the College of Business.*

1. 950 points based on the formula: 200 times 4-year undergraduate GPA plus GMAT score or;
2. 1000 points based on the formula: 200 times Junior-senior GPA plus GMAT score.

* Note - A limited number of exceptions to the above standards may be given for extensive professional experience.

All documents, including official transcripts, must be received by the Graduate School before a student will be considered for admission. Conditional admission is granted for one semester if a student has a 3.0 undergraduate GPA, has taken all prerequisites, and agrees to take the GMAT during their initial semester in the MBA Program. To remain in the program, the student must meet the 950 or 1,000 point criteria cited above.

All applicants are:

1. Expected to be competent in oral and written English

2. Expected to satisfy all prerequisite requirements in a particular discipline before enrolling in graduate-level courses in that discipline for credit; and
3. Expected to satisfy all prerequisites by the time nine hours of graduate-level work are completed.

Students are required to maintain a 3.0-grade point average in the program. In required core courses, grades below "C" are not accepted for credit toward the degree. Advisors can help students plan a program of study and assist them in planning to meet successfully all requirements of their program. Students must be admitted on either a conditional or unconditional basis in order to take MBA degree courses.

Transfer of Credit Policy

Students may transfer up to 12 credit hours of approved coursework from an AACSB Accredited College of Business or may transfer up to 6 credit hours of approved coursework from a regionally accredited University.

Degree Requirements

1. Candidates must satisfy all prerequisites, complete core requirements and other approved courses to satisfy the minimum number of semester hours required for a graduate degree, and accumulate a minimum GPA of "B" or 3.0 on a 4.0 system.
2. Candidates must file the application of "Admission to Candidacy" for the MBA degree after completing all required prerequisites and nine (9) semester hours of graduate course work taken in residence with a "B" average in all courses taken for graduate credit. The recommendation of the major advisor and approval of the Dean of the Graduate School are required.
3. Candidates must file "Application for Graduation" at least one full semester prior to commencement, including clearance with the major advisor, the Dean of the Graduate School, the Business Office, the Placement Bureau, the Office of Admissions and Records, and the University Library.
4. Candidates should attend commencement. The MBA degree may be awarded in absentia upon prior approval by the Dean of the Graduate School.

The TSU MBA curriculum is a broad-based management education that provides students with the knowledge and skills to assume leadership positions in the public sector and private companies. The MBA curriculum consists of 36 hours of credit. Students that do not have an undergraduate degree in business will need to take foundation courses prior to beginning the graduate coursework. These courses may include the foundation courses listed below.

Foundation Courses

Undergraduate Foundation Courses

- Accounting Principles (6)
- Information Systems & Statistics (6)
- Economics Principles & Business Finance (9)
- Management & Marketing Principles (6)

Total: 27 Sem. Hrs.

OR

Graduate Foundation Courses

- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- BISI 5000 - Information Systems and Statistics (3) (not for graduate credit) **CIP:**
- ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**

Total: 12 Sem. Hrs.

MBA Traditional Option Program of Study

- ACCT 6010 - Accounting and Business Decisions (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**
- ECON 6010 - Statistical Methods (3) **CIP:**
- ECON 6110 - Managerial Economics (3) **CIP:**
- FINA 6300 - Managerial Finance (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- MGMT 6060 - Operations Management (3) **CIP:**
- MGMT 6110 - Business Strategy and The Economic Environment (3) **CIP:**
- MKTG 6050 - Marketing Management (3) **CIP:**

MBA Traditional Option Elective Requirements: 9 Sem. Hrs.

3 elective courses in one area of concentration.

Total Semester Hours: 36

MBA Traditional Option Concentrations

- Accounting
- Finance
- Management Information Systems
- Supply Chain

Concentration II: Finance: 9 Hours

- FINA 6400 - Financial Institutions (3) **CIP:**
- FINA 6450 - Commercial Banking (3) **CIP:**
- FINA 6500 - Corporate Asset Management (3) **CIP:**
- FINA 6550 - Financial Structure Management (3) **CIP:**
- FINA 6600 - Investments (3) **CIP:**

- FINA 6650 - Portfolio Management (3) **CIP:**

Business Administration, Traditional Option, General MBA Concentration, M.B.A.

Business Administration Major

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates have the opportunity to question, explore, and discuss subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

The MBA Traditional Option is designed for the working professional and non-traditional student. The Traditional Option consists of 12 courses for 36 hours of credit. All courses are offered in the evenings from 5:30-8:30 P.M. Monday through Thursday at the Avon Williams Campus located in downtown Nashville minutes from the financial center, major entertainment venues, the riverfront, and convenient housing. The MBA Traditional Option offers concentrations in Accounting, Management of Information Systems, Finance, Supply Chain Management or General Business. Courses are available on campus and meet once a week Monday through Friday, 5:30-8:30 P.M.

The MBA Accelerated Option is a progressive Master of Business Administration Program directed to adult learners. This innovative accelerated learning option offers the MBA degree in a shorter time-frame while achieving the same number of class hours and learning outcomes as the College's traditional MBA program. The Accelerated Option consists of 36 credit hours that are completed in 12 short months leading to the General MBA. The MBA Accelerated Option requires 11 courses (33 credit hours) and one elective course (3 credit hours).

Classes are conveniently offered:

- Fridays from 5:30 p.m. - 9:30 p.m. (on the Avon Williams Campus campus)
- Saturdays from 8:00 a.m. - 4:00 p.m. (on the Avon Williams Campus Campus)
- Fully online during the summer

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Program Goals

The MBA Program adheres to the core values of the College and is designed to provide strategic, behavioral and technical competencies relevant to contemporary business practice. The goals of the program provide guidance for course design and development for the enhancement of student skills and to add value in both content and analytical/critical faculties.

The specific program learning goals are:

Goal 1: Students will be able to creatively apply quantitative and qualitative techniques to make effective business decisions.

Goal 2: Students will effectively use leadership skills to achieve goals.

Goal 3: Students will demonstrate an understanding of the global dimensions of business.

Goal 4: Students will demonstrate an understanding of the ethical dimensions of business.

Goal 5: Students will be able to integrate knowledge across fields to assess business situations.

Admission Requirements

Anyone wishing to take courses for graduate credit must apply for admission to the Graduate School. General admission requirements for the Graduate School are described in the Admissions, Regulations, and Policies Section of this Catalog. In addition to the requirements of the Graduate School, MBA applicants must meet the following requirements of the College of Business.*

1. 950 points based on the formula: 200 times 4-year undergraduate GPA plus GMAT score or;
2. 1000 points based on the formula: 200 times Junior-senior GPA plus GMAT score.

* Note - A limited number of exceptions to the above standards may be given for extensive professional experience.

All documents, including official transcripts, must be received by the Graduate School before a student will be considered for admission. Conditional admission is granted for one semester if a student has a 3.0 undergraduate GPA, has taken all prerequisites, and agrees to take the GMAT during their initial semester in the MBA Program. To remain in the program, the student must meet the 950 or 1,000 point criteria cited above.

All applicants are:

1. Expected to be competent in oral and written English
2. Expected to satisfy all prerequisite requirements in a particular discipline before enrolling in graduate-level courses in that discipline for credit; and
3. Expected to satisfy all prerequisites by the time nine hours of graduate-level work are completed.

Students are required to maintain a 3.0-grade point average in the program. In required core courses, grades below "C" are not accepted for credit toward the degree. Advisors can help students plan a program of study and assist them in planning to meet successfully all requirements of their program. Students must be admitted on either a conditional or unconditional basis in order to take MBA degree courses.

Transfer of Credit Policy

Students may transfer up to 12 credit hours of approved coursework from an AACSB Accredited College of Business or may transfer up to 6 credit hours of approved coursework from a regionally accredited University.

Degree Requirements

1. Candidates must satisfy all prerequisites, complete core requirements and other approved courses to satisfy the minimum number of semester hours required for a graduate degree, and accumulate a minimum GPA of "B" or 3.0 on a 4.0 system.
2. Candidates must file the application of "Admission to Candidacy" for the MBA degree after completing all required prerequisites and nine (9) semester hours of graduate course work taken in residence with a "B" average in all courses taken for graduate credit. The recommendation of the major advisor and approval of the Dean of the Graduate School are required.
3. Candidates must file "Application for Graduation" at least one full semester prior to commencement, including clearance with the major advisor, the Dean of the Graduate School, the Business Office, the Placement Bureau, the Office of Admissions and Records, and the University Library.
4. Candidates should attend commencement. The MBA degree may be awarded in absentia upon prior approval by the Dean of the Graduate School.

The TSU MBA curriculum is a broad-based management education that provides students with the knowledge and skills to assume leadership positions in the public sector and private companies. The MBA curriculum consists of 36 hours of credit. Students that do not have an undergraduate degree in business will need to take foundation courses prior to beginning the graduate coursework. These courses may include the foundation courses listed below.

Foundation Courses

Undergraduate Foundation Courses

- Accounting Principles (6)
- Information Systems & Statistics (6)
- Economics Principles & Business Finance (9)
- Management & Marketing Principles (6)

Total: 27 Sem. Hrs.

OR

Graduate Foundation Courses

- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- BISI 5000 - Information Systems and Statistics (3) (not for graduate credit) **CIP:**
- ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**

Total: 12 Sem. Hrs.

MBA Traditional Option Program of Study

- ACCT 6010 - Accounting and Business Decisions (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**
- ECON 6010 - Statistical Methods (3) **CIP:**
- ECON 6110 - Managerial Economics (3) **CIP:**
- FINA 6300 - Managerial Finance (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- MGMT 6060 - Operations Management (3) **CIP:**
- MGMT 6110 - Business Strategy and The Economic Environment (3) **CIP:**
- MKTG 6050 - Marketing Management (3) **CIP:**

MBA Traditional Option Elective Requirements: 9 Sem. Hrs.

3 elective courses in one area of concentration.

Total Semester Hours: 36

MBA Traditional Option Concentrations

- Accounting
- Finance
- Management Information Systems
- Supply Chain

Concentration V: General MBA: 9 hours

Any three graduate elective business courses from any of the following concentrations.

Business Administration, Traditional Option, Accounting Concentration, M.B.A.

Business Administration, Traditional Option, Finance Concentration, M.B.A.

Business Administration, Traditional Option, Supply Chain Management Concentration, M.B.A.

Business Administration, Traditional Option, Management of Information Systems Concentration, M.B.A.

Business Administration, Traditional Option, Management of Information Systems Concentration, M.B.A.

Business Administration Major

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates have the opportunity to question, explore, and discuss subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

The MBA Traditional Option is designed for the working professional and non-traditional student. The Traditional Option consists of 12 courses for 36 hours of credit. All courses are offered in the evenings from 5:30-8:30 P.M. Monday through Thursday at the Avon Williams Campus located in downtown Nashville minutes from the financial center, major entertainment venues, the riverfront, and convenient housing. The MBA Traditional Option offers concentrations in Accounting, Management of Information Systems, Finance, Supply Chain

Management or General Business. Courses are available on campus and meet once a week Monday through Friday, 5:30-8:30 P.M.

The MBA Accelerated Option is a progressive Master of Business Administration Program directed to adult learners. This innovative accelerated learning option offers the MBA degree in a shorter time-frame while achieving the same number of class hours and learning outcomes as the College's traditional MBA program. The Accelerated Option consists of 36 credit hours that are completed in 12 short months leading to the General MBA. The MBA Accelerated Option requires 11 courses (33 credit hours) and one elective course (3 credit hours).

Classes are conveniently offered:

- Fridays from 5:30 p.m. - 9:30 p.m. (on the Avon Williams Campus campus)
- Saturdays from 8:00 a.m. - 4:00 p.m. (on the Avon Williams Campus Campus)
- Fully online during the summer

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Program Goals

The MBA Program adheres to the core values of the College and is designed to provide strategic, behavioral and technical competencies relevant to contemporary business practice. The goals of the program provide guidance for course design and development for the enhancement of student skills and to add value in both content and analytical/critical faculties.

The specific program learning goals are:

Goal 1: Students will be able to creatively apply quantitative and qualitative techniques to make effective business decisions.

Goal 2: Students will effectively use leadership skills to achieve goals.

Goal 3: Students will demonstrate an understanding of the global dimensions of business.

Goal 4: Students will demonstrate an understanding of the ethical dimensions of business.

Goal 5: Students will be able to integrate knowledge across fields to assess business situations.

Admission Requirements

Anyone wishing to take courses for graduate credit must apply for admission to the Graduate School. General admission requirements for the Graduate School are described in the Admissions, Regulations, and Policies Section of this Catalog. In addition to the requirements of

the Graduate School, MBA applicants must meet the following requirements of the College of Business.*

1. 950 points based on the formula: 200 times 4-year undergraduate GPA plus GMAT score or;
2. 1000 points based on the formula: 200 times Junior-senior GPA plus GMAT score.

* Note - A limited number of exceptions to the above standards may be given for extensive professional experience.

All documents, including official transcripts, must be received by the Graduate School before a student will be considered for admission. Conditional admission is granted for one semester if a student has a 3.0 undergraduate GPA, has taken all prerequisites, and agrees to take the GMAT during their initial semester in the MBA Program. To remain in the program, the student must meet the 950 or 1,000 point criteria cited above.

All applicants are:

1. Expected to be competent in oral and written English
2. Expected to satisfy all prerequisite requirements in a particular discipline before enrolling in graduate-level courses in that discipline for credit; and
3. Expected to satisfy all prerequisites by the time nine hours of graduate-level work are completed.

Students are required to maintain a 3.0-grade point average in the program. In required core courses, grades below "C" are not accepted for credit toward the degree. Advisors can help students plan a program of study and assist them in planning to meet successfully all requirements of their program. Students must be admitted on either a conditional or unconditional basis in order to take MBA degree courses.

Transfer of Credit Policy

Students may transfer up to 12 credit hours of approved coursework from an AACSB Accredited College of Business or may transfer up to 6 credit hours of approved coursework from a regionally accredited University.

Degree Requirements

1. Candidates must satisfy all prerequisites, complete core requirements and other approved courses to satisfy the minimum number of semester hours required for a graduate degree, and accumulate a minimum GPA of "B" or 3.0 on a 4.0 system.
2. Candidates must file the application of "Admission to Candidacy" for the MBA degree after completing all required prerequisites and nine (9) semester hours of graduate course work taken in residence with a "B" average in all courses taken for graduate credit. The recommendation of the major advisor and approval of the Dean of the Graduate School are required.
3. Candidates must file "Application for Graduation" at least one full semester prior to commencement, including clearance with the major advisor, the Dean of the Graduate School, the Business Office, the Placement Bureau, the Office of Admissions and Records, and the University Library.

4. Candidates should attend commencement. The MBA degree may be awarded in absentia upon prior approval by the Dean of the Graduate School.

The TSU MBA curriculum is a broad-based management education that provides students with the knowledge and skills to assume leadership positions in the public sector and private companies. The MBA curriculum consists of 36 hours of credit. Students that do not have an undergraduate degree in business will need to take foundation courses prior to beginning the graduate coursework. These courses may include the foundation courses listed below.

Foundation Courses

Undergraduate Foundation Courses

- Accounting Principles (6)
- Information Systems & Statistics (6)
- Economics Principles & Business Finance (9)
- Management & Marketing Principles (6)

Total: 27 Sem. Hrs.

OR

Graduate Foundation Courses

- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- BISI 5000 - Information Systems and Statistics (3) (not for graduate credit) **CIP:**
- ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**

Total: 12 Sem. Hrs.

MBA Traditional Option Program of Study

- ACCT 6010 - Accounting and Business Decisions (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**
- ECON 6010 - Statistical Methods (3) **CIP:**
- ECON 6110 - Managerial Economics (3) **CIP:**
- FINA 6300 - Managerial Finance (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- MGMT 6060 - Operations Management (3) **CIP:**
- MGMT 6110 - Business Strategy and The Economic Environment (3) **CIP:**
- MKTG 6050 - Marketing Management (3) **CIP:**

MBA Traditional Option Elective Requirements: 9 Sem. Hrs.

3 elective courses in one area of concentration.

Total Semester Hours: 36

MBA Traditional Option Concentrations

- Accounting
- Finance
- Management Information Systems
- Supply Chain

Concentration IV: Management of Information Systems: 9 hours

- BISI 6800 - Strategic Information Systems (3) **CIP:**
- BISI 6550 - Project Management & Analysis (3) **CIP:**
- BISI 6750 - Contemporary Information Technologies (3) **CIP:**
- BISI 6250 - Decision Support Systems (3) **CIP:**
- BISI 6370 - Seminar in Information Systems (3) **CIP:**
- BISI 6300 - Business Telecommunications (3) **CIP:**
- BISI 6400 - Decision Support Systems (3)

Business Administration, Traditional Option, Supply Chain Management Concentration, M.B.A.

Business Administration Major

Program Overview

The MBA program at TSU is committed to providing quality academic programs, as demonstrated through our accreditation by AACSB International.

We are also conveniently located in the heart of Nashville's downtown commercial district, competitively priced, and designed for full-time, part-time, and working professionals with all of our courses offered in the evening.

The TSU MBA curriculum is a broad-based management education that provides you with the knowledge and skills to assume leadership positions in public and private companies. Adding to the quality of the MBA program is a dedicated faculty with outstanding credentials in teaching, research, and business. One hundred percent of the faculty holds doctorate degrees from a broad range of leading universities in the United States and abroad.

Students benefit from a faculty dedicated to their fields of study and willing to work with students both inside and outside the classroom. Because of small class sizes, MBA candidates have the opportunity to question, explore, and discuss subject matter in great detail in a professional setting.

Graduate students enjoy the prestige of matriculating in the oldest and most seasoned Master of Business Administration program offered in Nashville, having commenced in 1970. Candidates for the MBA come from all stations of life and all regions of the U. S., as well as Asia, Africa, Europe, Caribbean, and other locations around the world.

The MBA program is offered in three different delivery options: The MBA Traditional Option, the MBA Accelerated Option, and the Executive MBA. The campus classroom experience for both the Traditional and Accelerated Option is enhanced with web-based learning opportunities. The fast-track Executive MBA features distance learning and web-supported courses. The MBA Traditional Option, the Accelerated Option, and the Executive MBA share the same course objectives/learning outcomes.

The MBA Traditional Option is designed for the working professional and non-traditional student. The Traditional Option consists of 12 courses for 36 hours of credit. All courses are offered in the evenings from 5:30-8:30 P.M. Monday through Thursday at the Avon Williams Campus located in downtown Nashville minutes from the financial center, major entertainment venues, the riverfront, and convenient housing. The MBA Traditional Option offers concentrations in Accounting, Management of Information Systems, Finance, Supply Chain Management or General Business. Courses are available on campus and meet once a week Monday through Friday, 5:30-8:30 P.M.

The MBA Accelerated Option is a progressive Master of Business Administration Program directed to adult learners. This innovative accelerated learning option offers the MBA degree in a shorter time-frame while achieving the same number of class hours and learning outcomes as the College's traditional MBA program. The Accelerated Option consists of 36 credit hours that are completed in 12 short months leading to the General MBA. The MBA Accelerated Option requires 11 courses (33 credit hours) and one elective course (3 credit hours).

Classes are conveniently offered:

- Fridays from 5:30 p.m. - 9:30 p.m. (on the Avon Williams Campus campus)
- Saturdays from 8:00 a.m. - 4:00 p.m. (on the Avon Williams Campus Campus)
- Fully online during the summer

The TSU Executive MBA is designed to better accommodate the needs of busy professionals. The 12-month program offers a convenient, business-friendly schedule with classes meeting on weekends and is delivered in a hybrid format consisting of a mix of in-person and online course offerings. Program participants also have the opportunity to spend 10 days studying outside the United States to broaden their understanding of global leadership. The EMBA consists of 36 credit hours that are completed in 12 months. The required courses will be a short 4 weeks.

Courses for each month are structured as follows:

- Week 1: Weekend residency Friday 2-6 pm and Saturday 8 am-4 pm
- Weeks 2 & 4: Online
- Week 3: Saturday morning live lecture via web technology

Program Goals

The MBA Program adheres to the core values of the College and is designed to provide strategic, behavioral and technical competencies relevant to contemporary business practice. The goals of the program provide guidance for course design and development for the enhancement of student skills and to add value in both content and analytical/critical faculties.

The specific program learning goals are:

Goal 1: Students will be able to creatively apply quantitative and qualitative techniques to make effective business decisions.

Goal 2: Students will effectively use leadership skills to achieve goals.

Goal 3: Students will demonstrate an understanding of the global dimensions of business.

Goal 4: Students will demonstrate an understanding of the ethical dimensions of business.

Goal 5: Students will be able to integrate knowledge across fields to assess business situations.

Admission Requirements

Anyone wishing to take courses for graduate credit must apply for admission to the Graduate School. General admission requirements for the Graduate School are described in the Admissions, Regulations, and Policies Section of this Catalog. In addition to the requirements of the Graduate School, MBA applicants must meet the following requirements of the College of Business.*

1. 950 points based on the formula: 200 times 4-year undergraduate GPA plus GMAT score or;
2. 1000 points based on the formula: 200 times Junior-senior GPA plus GMAT score.

* Note - A limited number of exceptions to the above standards may be given for extensive professional experience.

All documents, including official transcripts, must be received by the Graduate School before a student will be considered for admission. Conditional admission is granted for one semester if a student has a 3.0 undergraduate GPA, has taken all prerequisites, and agrees to take the GMAT during their initial semester in the MBA Program. To remain in the program, the student must meet the 950 or 1,000 point criteria cited above.

All applicants are:

1. Expected to be competent in oral and written English
2. Expected to satisfy all prerequisite requirements in a particular discipline before enrolling in graduate-level courses in that discipline for credit; and
3. Expected to satisfy all prerequisites by the time nine hours of graduate-level work are completed.

Students are required to maintain a 3.0-grade point average in the program. In required core courses, grades below "C" are not accepted for credit toward the degree. Advisors can help students plan a program of study and assist them in planning to meet successfully all requirements of their program. Students must be admitted on either a conditional or unconditional basis in order to take MBA degree courses.

Transfer of Credit Policy

Students may transfer up to 12 credit hours of approved coursework from an AACSB Accredited College of Business or may transfer up to 6 credit hours of approved coursework from a regionally accredited University.

Degree Requirements

1. Candidates must satisfy all prerequisites, complete core requirements and other approved courses to satisfy the minimum number of semester hours required for a graduate degree, and accumulate a minimum GPA of "B" or 3.0 on a 4.0 system.
2. Candidates must file the application of "Admission to Candidacy" for the MBA degree after completing all required prerequisites and nine (9) semester hours of graduate course work taken in residence with a "B" average in all courses taken for graduate credit. The recommendation of the major advisor and approval of the Dean of the Graduate School are required.
3. Candidates must file "Application for Graduation" at least one full semester prior to commencement, including clearance with the major advisor, the Dean of the Graduate School, the Business Office, the Placement Bureau, the Office of Admissions and Records, and the University Library.
4. Candidates should attend commencement. The MBA degree may be awarded in absentia upon prior approval by the Dean of the Graduate School.

The TSU MBA curriculum is a broad-based management education that provides students with the knowledge and skills to assume leadership positions in the public sector and private companies. The MBA curriculum consists of 36 hours of credit. Students that do not have an undergraduate degree in business will need to take foundation courses prior to beginning the graduate coursework. These courses may include the foundation courses listed below.

Foundation Courses

Undergraduate Foundation Courses

- Accounting Principles (6)
- Information Systems & Statistics (6)
- Economics Principles & Business Finance (9)
- Management & Marketing Principles (6)

Total: 27 Sem. Hrs.

OR

Graduate Foundation Courses

- ACCT 5000 - Foundation in Accounting (3) (not for graduate credit) **CIP:**
- BISI 5000 - Information Systems and Statistics (3) (not for graduate credit) **CIP:**
- ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit) **CIP:**
- MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit) **CIP:**

Total: 12 Sem. Hrs.

MBA Traditional Option Program of Study

- ACCT 6010 - Accounting and Business Decisions (3) **CIP:**
- BISI 6130 - Management and Evaluation of Information Systems (3) **CIP:**

- ECON 6010 - Statistical Methods (3) **CIP:**
- ECON 6110 - Managerial Economics (3) **CIP:**
- FINA 6300 - Managerial Finance (3) **CIP:**
- MGMT 6020 - Organizational Behavior, Ethics and Leadership (3) **CIP:**
- MGMT 6060 - Operations Management (3) **CIP:**
- MGMT 6110 - Business Strategy and The Economic Environment (3) **CIP:**
- MKTG 6050 - Marketing Management (3) **CIP:**

MBA Traditional Option Elective Requirements: 9 Sem. Hrs.

3 elective courses in one area of concentration.

Total Semester Hours: 36

MBA Traditional Option Concentrations

- Accounting
- Finance
- Management Information Systems
- Supply Chain

Concentration III: Supply Chain Management: 9 hours

- MGMT 6260 - Supply Chain Management (3) **CIP:**
- MGMT 6220 - Procurement Management (3) **CIP:**
- MKTG 6100 - Logistics (3) **CIP:**

Accounting

ACCT 5000 - Foundation in Accounting (3) (not for graduate credit)

ACCT 6010 - Accounting and Business Decisions (3)

ACCT 6170 - Federal Tax Research (3)

ACCT 6200 - Accounting Information Systems (3)

ACCT 6250 - International Accounting (3)

ACCT 6990 - Independent Study (1-3)

Business Information Systems

BISI 5000 - Information Systems and Statistics (3) (not for graduate credit)

BISI 6130 - Management and Evaluation of Information Systems (3)

BISI 6250 - Decision Support Systems (3)

BISI 6300 - Business Telecommunications (3)

BISI 6370 - Seminar in Information Systems (3)

BISI 6550 - Project Management & Analysis (3)

BISI 6750 - Contemporary Information Technologies (3)

BISI 6800 - Strategic Information Systems (3)

BISI 6990 - Independent Study (1-3)

Economics

ECON 5000 - Foundation in Economics and Finance (3) (not for graduate credit)

ECON 6010 - Statistical Methods (3)

ECON 6110 - Managerial Economics (3)

ECON 6990 - Independent Study (1-3)

Finance

FINA 6300 - Managerial Finance (3)

FINA 6400 - Financial Institutions (3)

FINA 6450 - Commercial Banking (3)

FINA 6500 - Corporate Asset Management (3)

FINA 6550 - Financial Structure Management (3)

FINA 6600 - Investments (3)

FINA 6650 - Portfolio Management (3)

Management

MGMT 5000 - Foundation in Management and Marketing (3) (not for graduate credit)

MGMT 6020 - Organizational Behavior, Ethics and Leadership (3)

MGMT 6060 - Operations Management (3)

MGMT 6110 - Business Strategy and The Economic Environment (3)

MGMT 6220 - Procurement Management (3)

MGMT 6260 - Supply Chain Management (3)

MGMT 6990 - Independent Study (1-3)

Marketing

MKTG 6050 - Marketing Management (3)

MKTG 6100 - Logistics (3)

College of Business Graduate Faculty

Aurore Kamssu, Professor

B.B.A., 1993, Advanced School of Economics and Commerce; M.A., 1996, University of Kansas; Ph.D., 2000, University of Mississippi

Carrie McCleese, Assistant Professor

B.S., 2002, Central Michigan University; M.S., 2006, Ph.D., 2008, University of Georgia

Chunxing Fan, Associate Professor

B.S. 1983, Lanzhou University of Technology; M.B.A., 2001, M.B.A., 2007, Rutgers University; Ph.D., 2007, Rutgers University

Dharmendra P. Dhakal, Professor

B.A., 1973, M.A., 1976, Tribhuvan University; M.S., 1984, Ph.D., 1991, Southern Illinois University.

Eva Jermakowicz, Professor and Department Chair

B.A., 1972, M.A., 1973, University of Warsaw; Ph.D., 1982, Warsaw Tech University

Joel K. Jolayemi, Professor

B.S., 1977, University of Ibadan; M.S., 1983, Ph.D., 1985, Case Western Reserve University

Millicent Lownes-Jackson, Professor and Dean

B.A., 1972, Fisk University; M.B.A. 1975, Ph.D. 1981, Vanderbilt University

Nelson Modeste, Professor

B.S. ,1972, Tuskegee Institute; M.A., 1974, Ph.D., 1976, University of Florida

Phyllis Flott, Associate Professor

B.S., 1984, M.B.A., 1987, Emporia State University; Ph.D.,1996, University of North Texas

Santosh Venkatraman, Professor

B.A., 1984, Indian Institute of Technology; M.A., 1986, Ph.D., 1991, Texas A&M University

Sharon V. Thach, Professor

B.A., 1967, Michigan State University; M.A., 1980, Southern Illinois University; Ph.D., 1987, Michigan State University

Soumendra Ghosh, Professor and Department Chair

B.A., 1973, M.A., 1975, University of Calcutta; Ph.D., 1987, Utah State University

Stephen Shanklin, Associate Professor

B.S.B.A., 1971, Murray State University; B.S., 1987, University of Tennessee at Martin; M.B.A., University of Tennessee at Martin; 1999, Ph.D., Saint Louis University

Vaidotas Lukosius, Associate Professor

B.E., 1996, Vilnius University ; M.S., 1999, Helsinki University; Ph.D., 2003, New Mexico State University

Xiaoming Li, Associate Professor

B.E., 1993 Southeast University; M.S. 1997, Renmin University; M.S., 2000, Ph.D., 2003, Clemson University

College of Education

Jerri Haynes, Ed.D., Dean

Office: 118 Clay Education Building

(615) 963-5446

jhayne27@tnstate.edu

Heraldo Richards, Ph.D., Associate Dean

Office: 112 Clay Education Building

(615) 963-5620

hrichards@tnstate.edu

Trinetia Respress, Ed.D., Interim Assistant Dean

Office: 107 Clay Education Building

(615) 963-5450

trespress@tnstate.edu

Vision

The College of Education aspires to be a place where students at both initial and advanced levels explore current research as they prepare to become competent and caring professionals who are able to work effectively with diverse populations.

Further, the College of Education seeks to provide students with global education opportunities, to inspire them toward a demonstrated commitment to service for others, and to provide them with the knowledge, skills, and dispositions necessary to excel in their chosen professions.

Mission

The mission of the College of Education is to prepare teachers, counselors, psychologists, and administrators to work effectively with schools and communities.

Additionally, the College of Education provides all students with the technological skills, knowledge, and commitment to diversity necessary for the provision of global and community service and demonstration of professional excellence.

Goals

1. To prepare elementary and secondary teachers, counselors, supervisors, administrators, school psychologists, counseling psychologists, special educators, and recreation workers, and wellness experts.
2. To provide opportunities for faculty and students to pursue research and its uses in solving the problems of education, mental and physical health.
3. To provide students with opportunities for knowledge and understanding of the multicultural society in which they live and their relationship and responsibility in such a society.
4. To provide a sound program of guidance and to work cooperatively with other departments and colleges of the University in implementing the program.

Graduate studies in the College of Education are designed to prepare students for service in a variety of educational settings. Graduates have obtained positions as administrators, leaders, curriculum coordinators, guidance counselors, school psychologists, organizational counselors,

elementary and secondary teachers, physical education professionals, mental health specialists, special education teachers, and administrators of recreational services. Graduates are also finding job opportunities in government, industry, religion, business, community agencies, and higher education.

Teacher Education and Student Services

Heraldo Richards, Ph.D., Interim Dean

Post-baccalaureate candidates who wish to obtain licensure as a teacher, guidance counselor, school psychologist, or K-12 school administrator should work closely with the Office of Teacher Education and Student Services. Candidates' transcripts will be analyzed by the office to determine which courses candidates will need for licensure or endorsement. Admission to the teacher education program is handled through the Office of Teacher Education, while admission to a graduate degree program is handled through the Office of Graduate Studies. Admission should be sought after the first semester of coursework. Teacher licensure candidates must pass their relevant Praxis II tests prior to registering for student teaching or practicum. For more information please contact the Office of Teacher Education and Student Services in Room 112 Clay Hall or by phone at (615)-963-5459.

Administrator License Requirements

Administrator licensure requirements are established by the State Board of Education. The Master of Education (M.Ed.) and the Education Specialist (Ed.S.) degrees in Instructional Leadership are designed to provide candidates with courses necessary to achieve the Instructional Leadership License-Beginning (ILL-B) in Tennessee. Aside from the requirements of the degree, all candidates seeking administrative licensure must meet admission requirements and must participate in a licensure specific interview process facilitated by university faculty and Local Education Agency (LEA) participants. Both university faculty and LEA participants must make a recommendation for admission into the licensure degree program. Additionally, all candidates for licensure must take and pass the School Leaders Licensure Assessment (SLLA) and the Comprehensive Examination. Students seeking administrative licensure only and not a degree must also meet the above-mentioned requirements. Please note that licensure course requirements are subject to change in order to comply with any state-mandated changes.

Transitional Licensure Requirements

Administrator licensure requirements are established by the State Board of Education. The Master of Education (M.Ed.) and the Education Specialist (Ed.S.) degrees in Instructional Leadership are designed to provide candidates with courses necessary to achieve the Instructional Leadership License-Beginning (ILL-B) in Tennessee. Aside from the requirements of the degree, all candidates seeking administrative licensure must meet admission requirements and must participate in a licensure specific interview process facilitated by university faculty and Local Education Agency (LEA) participants.

Both university faculty and LEA participants must make a recommendation for admission into the licensure degree program. Additionally, all candidates for licensure must take and pass the School Leaders Licensure Assessment (SLLA) and the Comprehensive Examination. Students seeking administrative licensure only and not a degree must also meet the above-mentioned requirements. Please note that licensure course requirements are subject to change in order to comply with any state-mandated changes.

Job-Embedded Practitioner Licensure

Tennessee State University offers a Job Embedded Practitioner Licensure program in partnership with local education agencies (e.g., Metropolitan Nashville Public Schools) and the Tennessee Department of Education. To be eligible for the program, candidates with at least a bachelor's degree must have prior knowledge and have passed content knowledge of the Praxis Exam. Candidates will also present a letter of intent to hire as the teacher of record from a local education agency. Once admitted to the program, candidates may renew their Job Embedded Practitioner Licensure no more than two times, provided satisfactory progress is made toward the completion of the program. Candidates may teach on a Job Embedded Practitioner Licensure for a maximum of three years. Please contact the Office of Teacher Education and Student Services for further information.

Master's Degree

Master of Education Degree (M.Ed.)

The Master of Education degree is offered in the following education programs: Instructional Leadership, Elementary Education, Special Education, and Curriculum and Instruction. See specific program requirements under departmental sections.

The special requirements for the Master of Education degree include successfully completing a course in research methodology and a two-part comprehensive examination: one covering the field of professional education, the other the student's field of concentration. The comprehensive examination is taken in the last semester of enrollment. Certain programs or concentrations may have additional requirements.

Educational Specialist Degree

Education Specialist Degree (Ed.S.)

The Education Specialist degree is offered in Instructional Leadership. See specific program requirements under department sections.

The special requirements for the Education Specialist degree include successfully completing action research or culminating project and a comprehensive examination aligned with the Tennessee Instructional Leadership Standards. The comprehensive examination is taken in the last semester of enrollment. There are additional requirements for those seeking administrative licensure.

Doctoral Degrees

Doctor of Philosophy Degree (Ph.D.)

The Doctor of Philosophy (Ph.D.) degree is offered in Psychology. Information presented above regarding the Ed.D. degree is also applicable to the Ph.D. degree in Psychology with the exception of the residency requirement and the curriculum. Please refer to the departmental section of this Catalog for details of these programs.

Doctor of Education Degree (Ed.D.)

The Doctor of Education (Ed.D.) Degree provides professional training for careers in teaching, educational leadership, and related educational services. The degree is offered in Curriculum and Instruction, and Educational Leadership.

Transfer Credits

Students who have earned hours above the master's degree will be allowed to apply a maximum of 6 hours credit to the Doctor of Education degree. Credit for these 6 hours will be granted at the time the student advances to candidacy provided the hours are from a regionally accredited institution authorized to offer graduate work beyond the master's degree, the grade of "B" or above has been earned, and the hours are applicable to the student's Doctor of Education program. Credit will not be extended to include workshops, extension courses or short-term courses. In special circumstances, students may be allowed to transfer up to twelve (12) hours (e.g., student has two Master's).

Students admitted to a doctoral degree program who have been awarded the Ed.S. degree from accredited institutions may be granted full credit for a maximum of thirty hours if the hours are applicable to student's program. Students who have completed their Ed.S. degrees at other institutions must meet residency requirements and must take at least six (6) semester hours of major area courses at TSU. Students who transfer core courses from other institutions must have earned at least a "B" in each course. All post Master's Degree transfer hours (excluding the Ed.S.) applied to the doctoral degree must have been taken within the last ten (10) years.

Residency Requirement

Students in a doctoral program must establish academic residency by completing a minimum of eighteen (18) hours over a period of four (4) academic year semesters or two (2) academic year semesters and two (2) summer registrations (2 sessions per one summer equals one registration).

Graduate Assistantships

A limited number of graduate assistantships are available in the College of Education for students who desire to pursue a doctoral degree in Educational Leadership, Curriculum, and Instruction, or Psychology. These assistantships employ students as teaching, research, and administrative assistants. The appointments provide a stipend for twenty (20) hours of work each week. Tuition and maintenance fees are not waived; however, out-of-state tuition is waived.

Doctoral Advisor

During the student's first semester of enrollment, the Department Chair appoints a faculty member to serve as the student's advisor. This person advises the student concerning programmatic requirements and planning the program of study.

Doctoral Committee

The dissertation advisory committee consists of four faculty members who have graduate faculty status. At least three of them must be faculty members from the department in which the degree is sought. The fourth member must be a member of the graduate faculty from another department. This external person is typically identified by the thesis chairperson or the Dean of the graduate school. For dissertations, all four members of the advisory must be in place prior to the proposal meeting.

Academic Load for Doctoral Students

Students who have made arrangements to pursue studies on a full-time basis may take twelve (12) hours per semester with the approval of the chair of their doctoral committee. Students who pursue studies as a part-time student may take six (6) to eight (8) hours per semester.

Students awarded graduate assistantships must take at least nine (9) hours per semester to fulfill the obligations of the assistantship.

Academic Standards

Grades of "C" or lower cannot count toward the doctoral degree, nor does the grade of "C" or lower meet eligibility requirements for the Qualifying or Comprehensive Examinations.

Change of Doctoral Major

If a student wishes to change from one major to another, both the current department and the prospective department must be aware of the possible change. The student who wishes to change majors must file with the Graduate School the following items:

1. A "Change of Program" form.

After this form is filed with the Graduate School, it is forwarded to the appropriate department. An admission committee in the department reviews the request. If desired, an interview with the student is arranged by the committee. After reviewing all materials the committee makes a recommendation concerning the requested change.

Time Limitation for Credits

Credits earned more than ten (10) years prior to the student's graduation cannot be applied toward meeting requirements for the doctoral degree. This limitation applies to all post-master's degree credit, excluding Educational Specialist study.

Excluding prerequisites, a student is eligible to take the Qualifying Examination after completing a minimum of twelve (12) hours and a maximum of twenty-one (21) hours (EDAD 6000, EDAD 7120 or EDCI 7120, and EDAD 7180 must be included in these hours) and maintaining a minimum grade point average of 3.0.

Qualifying Examination

The Qualifying Examination is an assessment instrument used in planning or modifying student programs. It is three (3) hours in length and covers the following areas:

1. Research Methods;
2. Statistics /Computer Applications;
3. Major Area of Specialization.

Excluding prerequisites, a student is eligible to take the Qualifying Examination after completing a minimum of twelve (12) hours and a maximum of twenty-one (21) hours (EDAD 6000, EDAD 7120 or EDCI 7120, and EDAD 7180 must be included in these hours) and maintaining a minimum grade point average of 3.0.

Students who have completed twenty-one (21) hours and have not taken the Qualifying Examination may not take additional courses, unless they are required prerequisites, without the written permission of the Dean of the College of Education. Courses taken without permission will not count in meeting degree requirements.

Performance on the Qualifying Examination is assessed by evaluation teams composed of faculty in the areas tested. Performance is assessed on a pass-fail basis. In the event of a failure, the evaluation team makes recommendations for remediation.

The student's Doctoral Advisor may recommend that the student is permitted to prepare for re-examination. In this event, the student and advisor, using the recommendations made by the evaluation team, will plan a program of study including independent study, additional course work, or both.

The student may take the Qualifying Examination a maximum of three (3) times. The third failure of any portion of the examination will result in the student's dismissal from the doctoral program.

Candidacy

A student is admitted to candidacy after the successful completion of the Qualifying Examination and submission of an approved program of study to the Dean of the Graduate School.

Comprehensive Examination

The Comprehensive Examination is a written examination administered in blocks of six to twelve hours. The examination will be given on days as determined by each department. All departments are responsible for either a written comprehensive examination or comprehensive project. Please see individual department requirements. A candidate may not enroll in Dissertation until the semester following the one in which the Comprehensive Examination is passed.

A doctoral candidate is eligible to take the Comprehensive Examination when the following criteria have been met:

- a. Qualifying examination passed;
- b. Seventy-five (75) percent of the major field and seventy-five (75) percent of electives completed;
- c. All core requirements completed;
- d. Written approval from the candidate's committee chairperson received;
- e. A 3.0-grade point average maintained.

Re-Examination for The Comprehensive Examinations

In the event, a student fails the Comprehensive Examination, or sections of it, the doctoral committee may recommend that the candidate be permitted to prepare for re-examination. In this event, the student and major advisor will develop a written remediation plan which may include independent study, further course work, or both. The student's credit hour requirements may thus be extended. A copy of this remediation plan must be approved by the program and/or department head and a copy placed in the student file.

A student may take the Comprehensive Examination a maximum of three (3) times. The third failure by a candidate shall result in the student's dismissal from the doctoral program.

Dissertation

Upon successful completion of the comprehensive examination and all course work, the student is eligible to begin work on the dissertation. The initial step shall be the development of a proposal to be circulated to the student's doctoral committee. Approval of the proposal shall constitute formal approval to pursue the research project described therein.

After the first enrollment in dissertation credit, the student shall continue to enroll (fall, spring, summer) in dissertation credit until the dissertation is completed and accepted by the Graduate School. Students will pay the usual fees and tuition for dissertation research until they have earned a maximum of fifteen (15) hours of credit. After earning fifteen hours of credit, students pay a discounted flat fee for additional enrollments in dissertation research. Students must enroll for at least two semesters of dissertation research.

In addition to the writing style required by the student's department, the student must follow the regulations governing style and format established by the Graduate School in Guidelines for the Preparation of Dissertations, Theses, Projects, and Course Papers. Failure to do so could result in extensive costly revisions.

Upon completion of the dissertation, the defense of the dissertation will be scheduled. The oral defense of the dissertation is publicized in advance and open to the public. Discussion of the outcome of the defense, however, is between the candidate and his/her committee.

Department of Educational Leadership

Kirmanj Gundi, Ed.D., Interim Department Chair

Office: 103 Clay Education Building

(615) 963-5450

kigundi@tnstate.edu

The graduate programs in the Department of Educational Leadership lead to the Doctor of Education Degree in Educational Leadership with concentrations in PreK-12 Administration and Higher Education Administration, the Educational Specialist degree in Instructional Leadership with state licensure in Instructional Leadership, or the Education Specialist without licensure, and the Master of Education Degree in Instructional Leadership with state licensure in Instructional Leadership, the Master of Education without licensure, and the Master of Education in Career and Technical Education (CTE). Please check with your appointed advisor for program and course number changes. *All candidates must see their advisor prior to enrolling each semester.*

Major: Educational Leadership

Degree: Doctor of Education (Ed.D.)

Concentrations: PreK-12 Instructional Leadership

Higher Education Leadership

Major: Instructional Leadership

Degree: Educational Specialist (Ed.S.)

Concentrations:

Instructional Leadership with Licensure

Instructional Leadership without Licensure

Major: Instructional Leadership

Degree: Master of Education (M.Ed.)

Concentrations: Instructional Leadership-Licensure

Instructional Leadership-Non-Licensure

Career and Technical Education (CTE) Teacher Leaders

Master of Education

Instructional Leadership, Career and Technical Education (CTE), Concentration, M.Ed.

Instructional Leadership Major

Student Learning Outcomes

- **Instructional Leadership for Continuous Improvement:** An ethical and effective instructional leader facilitates professional practice that continually improves student learning.
- **Culture for Teaching and Learning:** An ethical and effective instructional leader collaborates with stakeholders to create and sustain an inclusive, respectful and safe environment conducive to learning and growth for all.
- **Professional Learning and Growth:** An ethical and effective instructional leader develops the capacity of all educators by designing, facilitating, and participating in collaborative learning informed by multiple sources of data.
- **Resource Management:** An ethical and effective instructional leader facilitates the development of a highly effective learning community through processes that enlist diverse stakeholders and resources.

Admission Requirements

Admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.75 or better on a 4.0 scale, and submission of an official report of the Graduate Record Examination (GRE) score or Millers Analogies Test (MAT) score is required for admission. All applicants must submit test scores at the time of application.

Applicants for the Non-licensure or Career and Technical Education Concentrations may be considered for conditional admission with a lower grade point average or MAT/GRE score. Non-licensure applicants whose grade point averages or standardized test scores are below those normally expected for admission, which may result in their admission being denied, may be given further consideration for admission to the M.Ed. program if the student provides the following: (a) an acceptable work record (a resume or curriculum vita), (b) three written recommendations indicating probable success in the program, and (c) a writing sample that will be scheduled through the department.

The student must remove conditional status in the first nine hours of graduate courses; failure to do so will result in dismissal from the program. There is no conditional admission for licensure candidates.

Additional Admission Requirements for the M.Ed. Licensure Concentration

In addition to the general admission requirements, consideration will be given to: (a) a letter of recommendation on official employment letterhead; (b) a minimum of three years of work experience in the schools; (c) an acceptable score on an interview; (d) an acceptable score on a writing sample; (e) an acceptable score on in-basket exercises to be scheduled through the department; and (f) a teacher license. A Portfolio is required as part of the admissions process. The department will send the instructions for the portfolio upon receipt of your application in the department. The criteria listed above will be evaluated to determine the applicant's overall

potential for success in the program as compared to other applicants in the admissions cycle. There are no conditional admissions.

Each student must be interviewed by a committee of professional administrators prior to admission to the program. The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Each student must inform his or her advisor early in the program that Principal/Supervisor licensure is being sought. All candidates must complete and successfully defend a required Action Research Project.

All application materials must be submitted to the Graduate School by the deadlines below:

- **Submit by July 1st for Fall Admission**
- **Submit by November 1st for Spring Admission***
- **Submit by April 1st for Summer Admission***

**For licensure programs there is admission in the spring and summer only.*

Transfer Credits

Candidates wishing to transfer credit(s) toward the M.Ed. program may transfer a maximum of twelve (12) relevant graduate credit hours from an accredited institution for courses that correspond to program/state requirements. All courses must be reviewed and approved by your academic advisor and the department chair.

M.Ed. Career and Technical Education Concentration (CTE)

Program of Study

Major Field Core (15 Semester hours)

- EDAD 5020 - Philosophy and Introduction To School Administration (3) **CIP:**
- EDAD 5030 - Instructional Leadership (3) **CIP:**
- EDAD 5200 - Human Resource Management **CIP:** (3)
- EDAD 5640 - School and Community Relations (3) **CIP:**
- EDAD 5050 - Educational Law (3) **CIP:**

Concentration (18 Semester Hours)

- TELC 5001 - Adolescent Development (3) **CIP:** * R50
- TELC 5003 - Managing the Learning Environment (3) **CIP:** * R50
- TELC 5004 - Survey of Exceptional Children (3) **CIP:** * R50
- TELC 5005 - Teaching and Learning with Technology (3) **CIP:** * R50
- TELC 5006 - Teachers as Agents of Change (3) **CIP:** * R50
- EDAD 5090 - Assessment for Leaders **CIP:** (3)

Note:

*TELC stands for Teacher Education License C.

Total Degree Requirement: 33

(Please see your advisor before registering for courses.)

*****This entire degree program is offered online.**

Degree Requirements for M.Ed. Career and Technical Education (CTE)

Candidates for the M.Ed. degree must take a minimum of 33 hours of course work and pass the comprehensive examinations. The program of study must be completed after nine (9) hours of coursework. Grades of "C" or lower cannot count toward the degree. All candidates must meet with their advisor prior to registration each semester. Courses must be taken in order as determined by program requirements. All applications must be approved by your academic advisor. All examination dates can be located on the Graduate School Academic Calendar.

Instructional Leadership, Licensure Concentration, M.Ed.

Instructional Leadership Major

Student Learning Outcomes

- **Instructional Leadership for Continuous Improvement:** An ethical and effective instructional leader facilitates professional practice that continually improves student learning.
- **Culture for Teaching and Learning:** An ethical and effective instructional leader collaborates with stakeholders to create and sustain an inclusive, respectful and safe environment conducive to learning and growth for all.
- **Professional Learning and Growth:** An ethical and effective instructional leader develops the capacity of all educators by designing, facilitating, and participating in collaborative learning informed by multiple sources of data.
- **Resource Management:** An ethical and effective instructional leader facilitates the development of a highly effective learning community through processes that enlist diverse stakeholders and resources.

Admission Requirements

Admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.75 or better on a 4.0 scale, and submission of an official report of the Graduate Record Examination (GRE) score or Millers Analogies Test (MAT) score is required for admission. All applicants must submit test scores at the time of application.

Applicants for the Non-licensure or Career and Technical Education Concentrations may be considered for conditional admission with a lower grade point average or MAT/GRE score. Non-licensure applicants whose grade point averages or standardized test scores are below those normally expected for admission, which may result in their admission being denied, may be given further consideration for admission to the M.Ed. program if the student provides the following: (a) an acceptable work record (a resume or curriculum vita), (b) three written recommendations indicating probable success in the program, and (c) a writing sample that will be scheduled through the department.

The student must remove conditional status in the first nine hours of graduate courses; failure to do so will result in dismissal from the program. There is no conditional admission for licensure candidates.

Additional Admission Requirements for the M.Ed. Licensure Concentration

In addition to the general admission requirements, consideration will be given to: (a) a letter of recommendation on official employment letterhead; (b) a minimum of three years of work experience in the schools; (c) an acceptable score on an interview; (d) an acceptable score on a writing sample; (e) an acceptable score on in-basket exercises to be scheduled through the department; and (f) a teacher license. A Portfolio is required as part of the admissions process. The department will send the instructions for the portfolio upon receipt of your application in the department. The criteria listed above will be evaluated to determine the applicant's overall potential for success in the program as compared to other applicants in the admissions cycle. There are no conditional admissions.

Each student must be interviewed by a committee of professional administrators prior to admission to the program. The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Each student must inform his or her advisor early in the program that Principal/Supervisor licensure is being sought. All candidates must complete and successfully defend a required Action Research Project.

All application materials must be submitted to the Graduate School by the deadlines below:

- **Submit by July 1st for Fall Admission**
- **Submit by November 1st for Spring Admission***
- **Submit by April 1st for Summer Admission***

**For licensure programs there is admission in the spring and summer only.*

Transfer Credits

Candidates wishing to transfer credit(s) toward the M.Ed. program may transfer a maximum of twelve (12) relevant graduate credit hours from an accredited institution for courses that correspond to program/state requirements. All courses must be reviewed and approved by your academic advisor and the department chair.

M.Ed. Instructional Leadership with Licensure Concentration

Program of Study

Major Field Core (15 Semester hours)

- EDAD 5020 - Philosophy and Introduction To School Administration (3) **CIP:**
- EDAD 5030 - Instructional Leadership (3) **CIP:**
- EDAD 5200 - Human Resource Management **CIP:** (3)
- EDAD 5640 - School and Community Relations (3) **CIP:**
- EDAD 5050 - Educational Law (3) **CIP:**

Concentration (18 Semester Hours)

- EDAD 5515 - Administrative Internship I (1) **CIP:**
- EDAD 5516 - Administrative Internship III (1) **CIP:**
(EDAD 5515 Prerequisite for EDAD 5516)

- EDAD 5080 - Action Research for Educators **CIP:** (3)
- EDAD 5090 - Assessment for Leaders **CIP:** (3)
- EDAD 5720 - School Finance (3) **CIP:**
- EDAD 5517 - Administrative Internship III (1) **CIP:**
(EDAD 5515 & EDAD 5516 Prereq. EDAD 5517)
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDAD 6200 - Organization and Administration of the Secondary School (3) **CIP:**

Total degree requirement: 33

(Please see your advisor before registering for courses.)

Degree Requirements for M.Ed. Licensure Candidates

Candidates for the M.Ed. degree must take a minimum of 33 hours of course work, pass the comprehensive examinations, and pass the School Leaders Licensure Assessment (SLLA). The program of study must be completed after nine (9) hours of coursework. Grades of "C" or lower cannot count toward the degree. All candidates must meet with their advisor prior to registration each semester. Courses must be taken in order as determined by program requirements. All students must complete a Comprehensive Examination Application one semester prior to their intended examination date. All applications must be approved by your academic advisor. All examination dates can be located on the Graduate School Academic Calendar.

Instructional Leadership, without Licensure Concentration, M.Ed.

Instructional Leadership Major

Student Learning Outcomes

- Instructional Leadership for Continuous Improvement: An ethical and effective instructional leader facilitates professional practice that continually improves student learning.
- Culture for Teaching and Learning: An ethical and effective instructional leader collaborates with stakeholders to create and sustain an inclusive, respectful and safe environment conducive to learning and growth for all.
- Professional Learning and Growth: An ethical and effective instructional leader develops the capacity of all educators by designing, facilitating, and participating in collaborative learning informed by multiple sources of data.
- Resource Management: An ethical and effective instructional leader facilitates the development of a highly effective learning community through processes that enlist diverse stakeholders and resources.

Admission Requirements

Admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.75 or better on a 4.0 scale, and submission of an official report of the Graduate Record Examination

(GRE) score or Millers Analogies Test (MAT) score is required for admission. All applicants must submit test scores at the time of application.

Applicants for the Non-licensure or Career and Technical Education Concentrations may be considered for conditional admission with a lower grade point average or MAT/GRE score. Non-licensure applicants whose grade point averages or standardized test scores are below those normally expected for admission, which may result in their admission being denied, may be given further consideration for admission to the M.Ed. program if the student provides the following: (a) an acceptable work record (a resume or curriculum vita), (b) three written recommendations indicating probable success in the program, and (c) a writing sample that will be scheduled through the department.

The student must remove conditional status in the first nine hours of graduate courses; failure to do so will result in dismissal from the program. There is no conditional admission for licensure candidates.

Additional Admission Requirements for the M.Ed. Licensure Concentration

In addition to the general admission requirements, consideration will be given to: (a) a letter of recommendation on official employment letterhead; (b) a minimum of three years of work experience in the schools; (c) an acceptable score on an interview; (d) an acceptable score on a writing sample; (e) an acceptable score on in-basket exercises to be scheduled through the department; and (f) a teacher license. A Portfolio is required as part of the admissions process. The department will send the instructions for the portfolio upon receipt of your application in the department. The criteria listed above will be evaluated to determine the applicant's overall potential for success in the program as compared to other applicants in the admissions cycle. There are no conditional admissions.

Each student must be interviewed by a committee of professional administrators prior to admission to the program. The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Each student must inform his or her advisor early in the program that Principal/Supervisor licensure is being sought. All candidates must complete and successfully defend a required Action Research Project.

All application materials must be submitted to the Graduate School by the deadlines below:

- **Submit by July 1st for Fall Admission**
- **Submit by November 1st for Spring Admission***
- **Submit by April 1st for Summer Admission***

**For licensure programs there is admission in the spring and summer only.*

Transfer Credits

Candidates wishing to transfer credit(s) toward the M.Ed. program may transfer a maximum of twelve (12) relevant graduate credit hours from an accredited institution for courses that correspond to program/state requirements. All courses must be reviewed and approved by your academic advisor and the department chair.

M.Ed. Instructional Leadership without Licensure Concentration

Program of Study

This curriculum is for those who do not intend to apply to the State of Tennessee for a principal license.

General Education Core- 15 Hours

- EDAD 5020 - Philosophy and Introduction To School Administration (3) **CIP:**
- EDAD 5030 - Instructional Leadership (3) **CIP:**
- EDAD 5200 - Human Resource Management **CIP:** (3)
- EDAD 5640 - School and Community Relations (3) **CIP:**
- EDAD 5050 - Educational Law (3) **CIP:**

Major Concentration - 12 hours

- EDAD 5110 - Educational Research For The Practitioner (3) **CIP:**
- EDAD 5180 - Principles and Techniques for Teaching Adults (3) **CIP:**
- EDAD 5420 - Community Organization (3) **CIP:**
- EDAD 5720 - School Finance (3) **CIP:**
- Electives (6)

Total Degree Requirement: 33

(Please see your advisor before registering for courses.)

Degree Requirements for M.Ed. Instructional Leadership Non-Licensure Candidates

Candidates for the M.Ed. degree must take a minimum of 33 hours of course work and pass the comprehensive examinations in the field of general education and educational administration. The program of study must be completed after nine (9) hours of coursework. Grades of "C" or lower cannot count toward the degree. All candidates must meet with their advisor prior to registration each semester. Courses must be taken in order as determined by program requirements. All students must complete a Comprehensive Examination Application one semester prior to their intended examination date. All applications must be approved by your academic advisor. All examination dates can be located on the Graduate School Academic Calendar.

Doctor of Education

Educational Leadership, Higher Education Leadership Concentration, Ed.D.

Educational Leadership Concentration

Student Learning Outcomes:

Candidates who complete the program are educational leaders who have the knowledge and ability to promote the success of all students by:

- Facilitating the development, articulation, implementation, and stewardship of a school or district vision of learning supported by the school community.

- Promoting a positive school culture, providing an effective instructional program, applying best practices to student learning, and designing comprehensive professional growth plans for staff.
- Managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment.
- Collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources.
- Acting with integrity, fairness, and in an ethical manner.
- Understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context.
- The internship provides significant opportunities for candidates to synthesize and apply the knowledge and practice and develop the skills identified in the standards listed above through substantial, sustained, standards-based work in real settings, planned and guided cooperatively by the institution and school district personnel for graduate credit.

Admission Requirements for Pre-K-12 Administration and Higher Education Leadership Concentrations

Admission to the program requires the applicant to have a master's or specialist degree from an accredited university, a graduate cumulative grade point average of 3.25 or better on a 4.0 scale on the last graduate degree, and submission of an official report of the Graduate Record Examination (GRE) score or Millers Analogies Test (MAT) Score. All applicants must submit test scores at the time of application.

All application materials must be submitted to the Graduate School by the deadlines given here. These dates apply to both on and off campus sites.

The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Consideration will be given to (a) previous graduate GPA; (b) GRE or MAT scores; (c) three (3) letters of recommendation indicating probable success in the program from professional sources on official letterhead; (d) an acceptable work experience record (curriculum vita or resume); (e) an acceptable score on an interview; and (f) an acceptable score on a scholarly writing sample. These criteria listed above will be evaluated to determine the applicant's overall potential for success in the program as compared to other applicants in the admissions cycle. All criteria are weighted equally, and no one criteria will keep a student out of the program. There are no conditional admissions.

Higher Education Leadership Admission Deadlines (Ed.D.)

- Submit by February 1st for admission in the fall semester.

Higher Education Leadership Concentration

Program of Study

Major Field Core (12 Semester hours)

- EDAD 6000 - Statistical Analysis in Educational Leadership I (3) **CIP:** (Prerequisite for EDAD 7180)
- EDAD 7040 - Leadership and Interpersonal Relations for Administrators (3) **CIP:**

- EDAD 7120 - Advanced Methods of Research (3) **CIP:**
- EDAD 7180 - Statistical Analysis in Educational Leadership II (3) **CIP:**

Concentration (33 Semester Hours)

- EDAD 7380 - Teaching Adult Education (3) **CIP:**
- EDAD 7400 - Foundations of Higher Education (3) **CIP:**
- EDAD 7410 - Diversity and Higher Education (3) **CIP:**
- EDAD 7450 - Economics and Finance of Higher Education (3) **CIP:**
- EDAD 7150 - Advanced Legal Problems (3) **CIP:**
- EDAD 6170 - Organization and Administration of Higher Education (3) **CIP:**
- EDAD 7420 - Curriculum, Students, and Faculty in Higher Education (3) **CIP:**
- EDAD 7430 - Seminar in Higher Education (3) **CIP:**
- EDAD 7440 - Practicum in Higher Education (1) **CIP:**
- EDAD 7441 - Practicum in Higher Education II (1) **CIP:**
- EDAD 7442 - Practicum in Higher Education III (1) **CIP:**
- EDAD 7499 - Marketing in Higher Education (3) **CIP:**

Electives (9 Semester Hours)

- EDAD **** - Elective (3)
- EDAD **** - Elective (3)
- EDAD **** - Elective (3)

Note:

****NOTE: Consultation with your advisor is required in the selection of electives.)

Dissertation (6-15 Semester Hours)

- EDAD 8100 - Doctoral Dissertation (6-15) **CIP:**

Minimum Required hours for the Ed.D.: 60

(Please see your advisor before registering for courses.)

Degree Requirements (Higher Education Administration)

The doctoral degree in Educational Leadership with a concentration in Higher Education Leadership is designed to offer students the experience of advanced study and research in their field of specialization. Study at the doctoral level requires a high level of motivation, dedication, and persistence by students who are committed to: (1) improving their personal and professional goals, and (2) advancing knowledge in their chosen field of study through independent and high quality dissertation research.

The degree requirements consist of the following:

1. A minimum of sixty (60) semester hours of approved coursework beyond the Master's degree;
2. Twelve (12) semester hours in the doctoral core;
3. Thirty-three (33) semester hours in the major core;
4. Nine (9) semester hours of electives; and,
5. Six to fifteen (6-15) semester hours for the satisfactory completion of the doctoral dissertation.

Also required is the successful completion of a written qualifying and comprehensive examination and residency of a minimum of eighteen (18) semester hours over a period of four (4) semesters. All courses must be taken in order. Candidates must see their advisor prior to registering each semester.

Grades of "C" or lower cannot count toward the doctoral degree, nor does the grade of "C" or lower meet eligibility requirements for the Comprehensive Examinations. Courses with a "C" or lower must be retaken for a higher grade. Students can only retake a course a maximum of two times. Students not successfully completing a course with a grade of "B" or better after the second attempt may be dismissed from the degree program.

Educational Leadership, Pre-K - 12 Administration Concentration, Ed.D.

Educational Leadership Concentration

Student Learning Outcomes:

Candidates who complete the program are educational leaders who have the knowledge and ability to promote the success of all students by:

- Facilitating the development, articulation, implementation, and stewardship of a school or district vision of learning supported by the school community.
- Promoting a positive school culture, providing an effective instructional program, applying best practices to student learning, and designing comprehensive professional growth plans for staff.
- Managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment.
- Collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources.
- Acting with integrity, fairness, and in an ethical manner.
- Understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context.
- The internship provides significant opportunities for candidates to synthesize and apply the knowledge and practice and develop the skills identified in the standards listed above through substantial, sustained, standards-based work in real settings, planned and guided cooperatively by the institution and school district personnel for graduate credit.

Admission Requirements for Pre-K-12 Administration and Higher Education Leadership Concentrations

Admission to the program requires the applicant to have a master's or specialist degree from an accredited university, a graduate cumulative grade point average of 3.25 or better on a 4.0 scale on the last graduate degree, and submission of an official report of the Graduate Record Examination (GRE) score or Millers Analogies Test (MAT) Score. All applicants must submit test scores at the time of application.

All application materials must be submitted to the Graduate School by the deadlines given here. These dates apply to both on and off campus sites.

The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Consideration will be given to (a) previous graduate GPA; (b) GRE or MAT scores; (c) three (3) letters of recommendation indicating probable success in the program from professional sources on official letterhead; (d) an acceptable work experience record (curriculum vita or resume); (e) an acceptable score on an interview; and (f) an acceptable score on a scholarly writing sample. These criteria listed above will be evaluated to determine the applicant's overall potential for success in the program as compared to other applicants in the admissions cycle. All criteria are weighted equally, and no one criteria will keep a student out of the program. There are no conditional admissions.

Higher Education Leadership Admission Deadlines (Ed.D.)

- Submit by February 1st for admission in the fall semester.

Pre-K - 12 Administration Concentration

Program of Study

Major Field Core (12 Semester hours)

- EDAD 6000 - Statistical Analysis in Educational Leadership I (3) **CIP:** (Prerequisite for EDAD 7180)
- EDAD 7040 - Leadership and Interpersonal Relations for Administrators (3) **CIP:**
- EDAD 7120 - Advanced Methods of Research (3) **CIP:**
- EDAD 7180 - Statistical Analysis in Educational Leadership II (3) **CIP:**

Concentration (36 Semester Hours)

- EDCI 5300 - Multicultural Education (3) **CIP:**
- EDCI 7000 - Foundations of Education (3) **CIP:**
- EDCI 7450 - Learning Theories for Teachers (3) **CIP:**
- EDAD 6010 - Theory and Principles of Educational Administration (3) **CIP:**
- EDAD 7070 - Planning for Educational Change (3) **CIP:**
- EDAD 7150 - Advanced Legal Problems (3) **CIP:**
- EDAD 7090 - Seminar in Education Administration and Supervision (3) **CIP:**
- EDAD 7000 - Interdepartmental Doctoral Seminar (3) **CIP:**
- EDAD 7030 - Qualitative-Naturalistic and Survey Research Methods (3) **CIP:**

Choose one of the following three courses (3 hours)

- EDAD 7020 - Policy Implementation in Educational Administration (3) **CIP:**
- EDAD 7200 - Human Resource Administration (3) **CIP:**
- EDAD 6060 - The Administration of Instructional Programs and Materials (3) **CIP:**

Choose two of the following courses (6 hours)

- EDAD 7280/6280 - Financial Management and Administration (3) **CIP:**
- EDAD 6050/7050 - Professional Negotiations in Education (3) **CIP:**
- EDAD 6300 - Communication for School Executives (3) **CIP:**

Electives (6 Semester Hours)

- EDAD **** - Elective (3)
- EDAD **** - Elective (3)

Note:

(Consultation with your advisor is required in the selection of electives.)

Dissertation (A minimum of 6 Semester Hours)

- EDAD 8100 - Doctoral Dissertation (6-15) **CIP:**

60 credit hours are the minimum required for the Ed.D.

(Please see your advisor before registering for courses.)

Degree Requirements (PreK-12 Administration and Supervision)

The doctoral degree in Administration and Supervision with a concentration in PreK-12 Administration is designed to offer students the experience of advanced study and research in their field of specialization. Study at the doctoral level requires a high level of motivation, dedication, and persistence by students who are committed to: (1) improving their personal and professional goals, and (2) advancing knowledge in their chosen field of study through independent and high quality dissertation research.

The degree requirements consist of the following:

1. A minimum of sixty (60) semester hours of approved course work beyond the Master's Degree is required:
2. Twelve (12) semester hours of general doctoral core;
3. Thirty-six (36) semester hours of courses within the major core;
4. Six (6) hours of electives; and
5. Six to fifteen (6-15) semester hours of credit for the satisfactory completion of the doctoral dissertation.

Also required is the successful completion of a written qualifying and comprehensive examination and residency of a minimum of eighteen (18) semester hours over a period of four (4) semesters. All courses must be taken in order. Candidates must see their advisor prior to registering each semester.

Grades of "C" or lower cannot count toward the doctoral degree, nor does the grade of "C" or lower meet the eligibility requirements for the Comprehensive Examinations. Courses with a "C" or lower must be retaken for a higher grade. Students can only retake a course a maximum of two times. Students not successfully completing a course with a grade of "B" or better after the second attempt may be dismissed from the degree program.

Educational Specialist

Instructional Leadership, Licensure Concentration, Ed.S.

Instructional Leadership Major

Student Learning Outcomes

Students completing the specialist of education degree in Instructional Leadership (K-12) Licensure Program will demonstrate mastery of the core performances of effective instructional leaders outlined in the 2015 Tennessee Instructional Leadership Standards (TILS): Instructional Leadership for Continuous Improvement (TILS A), Culture of Teaching and Learning (TILS B), Professional Learning and Growth (TILS C), and Resource Management (TILS D).

General Admission Requirements

Admission to the program requires the applicant to have a master's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 3.25 or better on a 4.0 scale, and submission of an official report of the Graduate Record Examination (GRE) score or Millers Analogies Test (MAT) score is required for admission. All applicants must submit test scores at the time of application.

Additional Admission Requirements for the Ed.S. Licensure Concentration

In addition to the general admission requirements, consideration will be given to: (a) a letter of recommendation on official employment letterhead; (b) a minimum of three years of work experience in the schools; (c) an acceptable score on an interview; (d) an acceptable score on a writing sample; (e) an acceptable score on in-basket exercises to be scheduled through the department; (f) and a teacher license. A Portfolio is required as part of the admissions process. The department will send the instructions for the portfolio upon receipt of your application in the department. The criteria listed above will be evaluated to determine the applicant's overall potential for success in the program as compared to other applicants in the admissions cycle. There are no conditional admissions.

Each student must be interviewed by a committee of professional administrators prior to admission to the program. The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Each student must inform his or her advisor early in the program that Principal/Supervisor licensure is being sought. All candidates must complete and successfully defend a required Action Research Project.

**For licensure programs admission is available in the spring and summer only.*

Transfer Credits

Candidates wishing to transfer credit(s) toward the Ed.S. program may transfer a maximum of six (6) relevant graduate credit hours from an accredited institution for courses that correspond to program/state requirements. All transfer courses must be reviewed and approved by both the academic advisor and the department chair.

Candidates in the Educational Specialist program must establish academic residency by completing a minimum of eighteen (18) hours over a period of four (4) academic year semester or two (2) academic year semesters and two (2) summer registrations (2 sessions per one summer equals one registration) of courses in the EDAD department.

Instructional Leadership With Licensure Concentration

Program of Study

General Education Core- 15 Hours

- EDAD 6010 - Theory and Principles of Educational Administration (3) **CIP:**
- EDAD 6060 - The Administration of Instructional Programs and Materials (3) **CIP:**
- EDAD 6070 - Legal Problems (3) **CIP:**
- EDAD 6300 - Communication for School Executives (3) **CIP:**
- EDAD 6110 - Human Resource Management and Development (3) **CIP:**

Major Concentration - 18 hours

- EDAD 6580 - Action Research for Educators (3) **CIP:**
- EDAD 6120 - Assessment for Professional Licensure (3-6) **CIP:** (3)
- EDAD 6200 - Organization and Administration of the Secondary School (3) **CIP:**
- EDAD 7280/6280 - Financial Management and Administration (3) **CIP:**
- EDAD 5515 - Administrative Internship I (1) **CIP:**
- EDAD 5516 - Administrative Internship III (1) **CIP:**
(EDAD 5515 Prerequisite for EDAD 5516)
- EDAD 5517 - Administrative Internship III (1) **CIP:**
(EDAD 5515 & EDAD 5516 Prerequisite for EDAD 5517)
- EDAD 6100 - Computer Applications for Educational Leaders (3) **CIP:**

Total Degree Requirement: 33

(Please see your advisor before registering for courses.)

Degree Requirements for Ed.S. Licensure Candidates

Candidates for the Ed.S. degree must take a minimum of 33 hours of course work, pass the comprehensive examinations in the field of general education and educational administration/leadership, and pass the School Leaders Licensure Assessment (SLLA). The program of study must be completed after nine (9) hours of coursework. Grades of "C" or lower cannot count toward the degree. Students can only retake a course a maximum of two times. Students not successfully completing a course with a grade of "B" or better after the second attempt may be dismissed from the degree program.

All candidates must meet with their advisor prior to registration each semester. Courses must be taken in order as determined by program requirements. All students must complete a Comprehensive Examination Application one semester prior to their intended examination date.

All applications must be approved by academic advisor and the department chair. All examination dates can be located on the Graduate School Academic Calendar.

Instructional Leadership, without Licensure Concentration, Ed.S.

Instructional Leadership Major

Student Learning Outcomes

Students completing the specialist of education degree in Instructional Leadership (K-12) Licensure Program will demonstrate mastery of the core performances of effective instructional leaders outlined in the 2015 Tennessee Instructional Leadership Standards (TILS): Instructional Leadership for Continuous Improvement (TILS A), Culture of Teaching and Learning (TILS B), Professional Learning and Growth (TILS C), and Resource Management (TILS D).

General Admission Requirements

Admission to the program requires the applicant to have a master's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 3.25 or better on a 4.0 scale, and submission of an official report of the Graduate Record Examination (GRE) score or Millers Analogies Test (MAT) score is required for admission. All applicants must submit test scores at the time of application.

Additional Admission Requirements for the Ed.S. Licensure Concentration

In addition to the general admission requirements, consideration will be given to: (a) a letter of recommendation on official employment letterhead; (b) a minimum of three years of work experience in the schools; (c) an acceptable score on an interview; (d) an acceptable score on a writing sample; (e) an acceptable score on in-basket exercises to be scheduled through the department; (f) and a teacher license. A Portfolio is required as part of the admissions process. The department will send the instructions for the portfolio upon receipt of your application in the department. The criteria listed above will be evaluated to determine the applicant's overall potential for success in the program as compared to other applicants in the admissions cycle. There are no conditional admissions.

Each student must be interviewed by a committee of professional administrators prior to admission to the program. The admissions committee will review and evaluate the entire academic and professional record in making the admission decision. Each student must inform his or her advisor early in the program that Principal/Supervisor licensure is being sought. All candidates must complete and successfully defend a required Action Research Project.

**For licensure programs admission is available in the spring and summer only.*

Transfer Credits

Candidates wishing to transfer credit(s) toward the Ed.S. program may transfer a maximum of six (6) relevant graduate credit hours from an accredited institution for courses that correspond to program/state requirements. All transfer courses must be reviewed and approved by both the academic advisor and the department chair.

Candidates in the Educational Specialist program must establish academic residency by completing a minimum of eighteen (18) hours over a period of four (4) academic year semester or two (2) academic year semesters and two (2) summer registrations (2 sessions per one summer equals one registration) of courses in the EDAD department.

Instructional Leadership Without Licensure Concentration

Program of Study

General Education Core- 15 Hours

- EDAD 6010 - Theory and Principles of Educational Administration (3) **CIP:**
- EDAD 6060 - The Administration of Instructional Programs and Materials (3) **CIP:**
- EDAD 6070 - Legal Problems (3) **CIP:**
- EDAD 6300 - Communication for School Executives (3) **CIP:**
- EDAD 6110 - Human Resource Management and Development (3) **CIP:**

Major Concentration - 18 hours

Students must take 18 hours from the following:

- EDAD 6050/7050 - Professional Negotiations in Education (3) **CIP:**
- EDAD 6140 - Culminating Project for Ed.S. (3) **CIP:**
(taken last enrolled semester in program)
- EDAD 6000 - Statistical Analysis in Educational Leadership I (3) **CIP:**
- EDAD 7040 - Leadership and Interpersonal Relations for Administrators (3) **CIP:**
- EDAD 6250 - International Global Education (3) **CIP:**
- EDAD 6080/7080 - Internship in Administration/Supervision (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDAD 6580 - Action Research for Educators (3) **CIP:**

Total Degree Requirement: 33

(Please see your advisor before registering for courses.)

Degree Requirements for Ed.S. Non-Licensure Candidates

Candidates for the Ed.S. degree must take a minimum of 33 hours of course work, pass the comprehensive examinations in the field of general education and educational administration, and complete a culminating project (EDAD 6140). The program of study must be completed after nine (9) hours of coursework. Grades of "C" or lower cannot count toward the degree. Students can only retake a course a maximum of two times. Students not successfully completing a course with a grade of "B" or better after the second attempt may be dismissed from the degree program.

All candidates must meet with their advisor prior to registration each semester. Courses must be taken in order as determined by program requirements. All students must complete a Comprehensive Examination Application one semester prior to their intended examination date. All applications must be approved by your academic advisor. All examination dates can be located on the Graduate School Academic Calendar.

Department of Psychology

Kiesa Kelly, Ph.D., Department Chair
Office: 303-C Clay (Education) Building
(615) 963-5157
kkelly5@@tnstate.edu

The Psychology Department offers curricula leading to the Doctor of Philosophy degree in Psychology in two concentrations: Counseling Psychology and School Psychology; the Master of Science in Psychology degree with two concentrations: Counseling Psychology and School Psychology; and a Master of Science in Professional School Counseling. The course offerings consist of a core of basic psychology courses common to the preparation of the student for work and certification or licensure (if required) in the area of specialization.

Note: Graduate degrees in Psychology are not an assurance of certification and/or licensure in the fields of psychology, counseling, and/or school counseling. Degrees are meant to be preparation only. Suggested additional course work and experience will be addressed in annually updated student handbooks and additional material(s). As informed consumers of education, students should always check the license and certification requirements in the state(s) or countries in which they plan to work.

Major: Psychology
Degree: Doctor of Philosophy (Ph.D.)
Concentrations:
Counseling Psychology
School Psychology

Major: Psychology
Degree: Master of Science (M.S.)
Concentrations:
School Psychology

Major: Professional School Counseling
Degree: Master of Science (M.S.)
Concentrations:
Pre-K-12 School Counseling

Master of Science

Professional School Counseling, Pre-K - 12 Counseling Concentration, M.S.

Pre-K-12 School Counseling Concentration

The primary goal of the Professional School Counseling Psychology Program is to train competent and culturally aware counselors to support teachers, other professional personnel and parents in addressing the needs of students from diverse backgrounds related to academic and career preparation as well as personal growth and development. Special emphasis is placed on prevention and recognition of values and strengths. Professional School Counseling curriculum is designed to meet the requirements for licensure as set forth by the Tennessee State Board of Education.

NOTE: Applicants must successfully complete an interview with the TSU Professional School Counseling Community Advisory Council.

Degree Requirements

A minimum of four semesters and a summer term of residential study and forty-eight (48) semester credits (51 hours for those not holding a teaching license) of approved course work. All candidates must successfully complete a final written comprehensive examination.

Note: Licensure as a Professional School Counselor in the state of Tennessee requires a minimum score of 156 on the Praxis II Professional School Counselor (K-12) #5421 Specialty Area Test. The test application is available at www.ets.org/praxis.

Program of Study

Required Courses - 48 credits*

*Fifty-one credits are required of all students who do not hold a valid teacher's certificate/license.

Area I - Human Growth and Development (6 Hours)

- PSYC 5630 - Child & Adolescent Development (3) **CIP:**
- EDSE 5530 - Education and Psychology of Exceptional Children (3) **CIP:**

Area II - Social and Cultural Foundations (9 Hours)

- PSYC 5136 - Abnormal Psychology (3) **CIP:**
- PSYC 5570 - Individuals, Couples, & Family Systems: Assessments, Theory & Intervention. (3) **CIP:**
- PSYC 6130 - Social Bases of Behavior (3) **CIP:**

Area III - The Helping Relationship (*12 or 15 Hours)

- PSYC 5170 - Counseling Theory (3) **CIP:**
- PSYC 6360 - Pre-practicum Field Experience For Pre-K-12 (3) **CIP: ***
- PSYC 6320 - Practicum in Pre-K-12 School Counseling (3) **CIP:**
- PSYC 6405 - Internship: Elementary School Counseling (3) **CIP:**
- PSYC 6406 - Internship: Secondary School Counseling (3) **CIP:**

Area IV - Group Work (3 Hours)

- PSYC 5190 - Group Counseling and Guidance (3) **CIP:**

Area V - Career and Lifestyle Development (3 Hours)

- PSYC 5270 - Vocational Theory and Testing (3) **CIP:**

Area VI - Appraisal (6 Hours)

- PSYC 5530 - Psychometrics (3) **CIP:**
- PSYC 6370 - Interest, Aptitude & Achievement Testing (3) **CIP:**

Area VII - Research and Program Evaluation (3 Hours)

- PSYC 5040 - Statistics and Methodology (3) **CIP:**

Area VIII - Professional Orientation (6 Hours)

- PSYC 5080 - Professional Issues & Ethics For Pre-K-12 School Counselors (3) **CIP:**
- PSYC 5090 - Guidance and Counseling Services in the Schools (3) **CIP:**

Required Field Experience

Practicum: Students are required to complete 100 clock hours of observation and participation in a middle school counseling setting.

Internships: Students are required to complete 300 clock hours (approximately 20-25 hours per week) of on-site field experience and practice during each of two semesters of internship experience: Elementary School Counseling (PSYC 6405) and Secondary School Counseling (PSYC 6406).

Endorsement Only Students

Individuals who seek the State Department of Education endorsement through the Pre-K-12 School Counseling concentration, but do not intend to pursue a degree through TSU, must:

1. Have earned a Master's Degree in School Counseling or a related area.
2. Complete the online application by February (see Department website for a link to the application).
3. Upload the following documents:
 - a. Letter of intent;
 - b. 3 letters of recommendation, and
 - c. Entrance Exam Scores (MAT or GRE

Potential candidates (those meeting minimum requirements) will be invited to interview with the Advisory Council in late February.

Psychology, Counseling Psychology Concentration, M.S.

Counseling Psychology Concentration

The curriculum is designed for students seeking preparation for a career in various types of mental health settings and related organizations, or for students planning to pursue a Ph.D. The primary goal is to provide a solid psychological core with a focus on emotional, social, vocational, health, and educational issues across the life span. Recognizing the value of both practice and research, the Counseling Concentration offers two options: thesis or non-thesis.

Student Learning Outcomes:

Students will:

1. Demonstrate performance ability through practica experiences.
2. Demonstrate a knowledge base specific to psychology.
3. Have a thorough understanding of the psychological foundations of behavior.
4. Be knowledgeable to use measurement, statistics, research, and program evaluation methods in the delivery of psychological services.

5. Be prepared to provide psychological services to individuals and groups.
6. Demonstrate ethical behavior, recognize unethical behavior, and respond ethically in practice, research, and scholarship.
7. Gain experience in respect and value of cultural diversity and demonstrate sensitivity for diverse social, economic, and environmental experiences.
8. Complete practice experiences designed for mental health advocacy and service.

An additional aspirational goal is for students to develop a desire for life-long learning.

Admission Requirements

It is highly recommended that applicants have earned or are in pursuit of an undergraduate degree in Psychology or a related field. The undergraduate study must include one course in general psychology, one course in either elementary statistics, or research methods, and two upper division psychology courses. The minimum acceptable requirements for admission to the program are a 2.5 or higher GPA, and the submission of official standardized test scores such as the Graduate Record Examination of the Miller's Analogy Test.

In addition, the applicant should submit ALL of the following information below through the web-based application portal system PSYCAS. All application materials including the letters of recommendation must be submitted through PSYCAS by February 1 for admission for fall semester.

1. A personal statement of no more than 1000 words indicating a) why the applicant has chosen to pursue a degree in counseling psychology b) why the applicant is interested in the program at Tennessee State University, specifically, and c) what experiences the applicant has with conducting psychological research
2. Official transcripts of all academic work.
3. Three letters of recommendation.
4. Standardized Test Scores (GRE or MAT).

Degree Requirements

A minimum of four semesters and a summer term of residential study are required to complete the program within a two year period. Both the Thesis and Non-Thesis Option require sixty (60) semester hours of study.

Thesis Option

This option is appropriate for students planning to pursue a Ph.D. The candidate must submit a thesis on a topic approved by the thesis committee.

Non-Thesis Option

The non-thesis option is for students who choose to focus on training in the practice aspects of psychology. Students who select the non-thesis option must pass a Comprehensive Examination to meet the requirements for the degree.

Program of Study (60 hours)

Required Core Courses-57 Hours (Thesis, 3-hours and Non-thesis, 3-hours)

- PSYC 5030 - Biological Bases of Behavior (3) **CIP:**
- PSYC 5040 - Statistics and Methodology (3) **CIP:**
- PSYC 5060 - Cognitive and Affective Bases of Behavior (3) **CIP:**
- PSYC 5070 - Professional Issues and Ethics in Counseling Psychology (3) **CIP:**
- PSYC 5120 - Techniques of Counseling and Interviewing (3) **CIP:**
- PSYC 5135 - Theories of Personality (3) **CIP:**
- PSYC 5136 - Abnormal Psychology (3) **CIP:**
- PSYC 5140 - Statistics and Computer Applications (3) **CIP:**
- PSYC 5170 - Counseling Theory (3) **CIP:**
- PSYC 5190 - Group Counseling and Guidance (3) **CIP:**
- PSYC 5270 - Vocational Theory and Testing (3) **CIP:**
- PSYC 5570 - Individuals, Couples, & Family Systems: Assessments, Theory & Intervention. (3) **CIP:**
- PSYC 5580 - Multicultural Counseling 3 **CIP:**
- PSYC 5640 - Lifespan Development (3) **CIP:**
- PSYC 6130 - Social Bases of Behavior (3) **CIP:**
- PSYC 6430 - History and Systems of Psychology (3) **CIP:**
- PSYC 6505 - Master's Practicum in Counseling Psychology (3) **CIP:**
- PSYC 6506 - Master's Practicum in Counseling Psychology (3) **CIP:**
- PSYC 6590 - Tests and Measures (3) **CIP:**

Thesis Option Requirement (3 hours)

- PSYC 6540 - Thesis (3) **CIP:**

Non-Thesis Option Requirements (3 hours)

The Non-Thesis option requires students to pass a Comprehensive Examination. Choose one course from the approved list below.

Electives - 3 hours

- PSYC 5230 - Learning Theories (3) **CIP:**
- PSYC 6370 - Interest, Aptitude & Achievement Testing (3) **CIP:**
- PSYC 6550 - Health Psychology (3) **CIP:**
- PSYC 6560 - Violence in Interpersonal Relations (3) **CIP:**

Doctor of Philosophy

Psychology, Counseling Psychology Concentration, Ph.D.

Psychology Major

The doctoral program offered by the Department of Psychology includes two concentrations: Counseling Psychology and School Psychology. The Counseling Psychology concentration is accredited by the American Psychological Association (APA). Both concentrations seek to prepare graduates for licensure as Counseling Psychologists and School Psychologists as established by the State Board of Examiners in Psychology - Division of Health Related Boards and the Tennessee Board of Education, respectively. Prior graduate course work and the student's goals and objectives are considered in determining annual admissions and the individual student's program of study.

Student Learning Outcomes:

Students will:

1. Have advanced knowledge of psychology.
2. Demonstrate knowledge of human behavior with a multicultural perspective.
3. Have knowledge of research, statistics, and evaluation methods that will enable them to conduct research, publish, present research, and use research to improve psychological knowledge, practice, and understanding.
4. Acquire knowledge of and experience with information sources and technology relevant to psychological practice, research, and education.
5. Be prepared to be ethical scientist-practitioners by demonstrating knowledge of ethical standards, legal mandates, laws, and professional standards in practice, service, and personal endeavors.
6. Effectively integrate formal academic knowledge, theory, and research with the delivery of psychological services and education in a variety of professional settings and to a multicultural clientele.
7. Value personal and professional growth, cultural diversity, societal awareness and respect for others.

Admissions Requirements

A master's degree in psychology, counseling, school psychology, or a related area is required. For the Counseling concentration, the master's degree must be in Counseling Psychology or a closely related area such as Clinical Psychology or Mental Health Counseling. There is a ceiling on the number of students admitted to the program in a given year. All applicants must submit the following materials via the web-based PSYCAS system by December 1st for admission in the Fall:

1. Official transcripts of all undergraduate and graduate course work. A minimum grade point average of 3.25 at the Master's level is required.
2. Quantitative and Verbal Scores on the Graduate Record Examination (GRE) or Millers Analogy Test (MAT) are required. While both the GRE and MAT are acceptable, the GRE is strongly preferred. The minimum acceptable standards for admission are 3.25 Master's GPA. A typical GRE score for students in the program is 150 (Verbal) and 147 (Quantitative). However, the program does recognize that multiple factors impact scores

and that scores do not represent all of a student's unique abilities. Students with scores below these averages are welcome to apply. Exceptions may be considered for applicants with extraordinary qualities who have demonstrated excellence in the field of work or research, and who add diversity to the program. However, a student whose GRE scores are significantly lower than others in the program or whose MAT is less than 425 is not normally considered for admission. Conditional admission is not offered at the Doctoral level.

3. A work history, that is a curriculum vitae that includes work experience and research experience.
4. Three letters of recommendation submitted on the doctoral recommendations forms distributed by the Graduate School.
5. A supplemental application to the Counseling Psychology (Ph.D.) program.

Selection of students for the Doctoral Program in Psychology is highly competitive. Applicants whose materials are received by the December 1st deadline will be evaluated by the respective program committees that will select the applicants to be interviewed on the campus in early February. An interview is required for admission. In keeping with the Uniform Notification Date established by the American Psychological Association, if selected for admission, the applicant will be notified and must respond not later than April 15th to the offer. Admissions are based upon the following criteria:

1. Past academic performance as indicated by undergraduate and graduate grade point average, test scores, and course work at the undergraduate and graduate levels in Psychology.
2. Research and scholarly pursuits as demonstrated by research involvement, presentations, publications, and writing sample.
3. Counseling and interpersonal skills as demonstrated by work experiences including practicum and internships as well as work in the fields of counseling, school psychology, other professional activities, and supervised experiences.
4. A goodness of fit between the goals of the applicant and the goals of the program.
5. Commitment to the field as evidenced by licensure or certification in Psychology or Education as well as involvement in professional associations.
6. Experience with diverse populations.

General Departmental Requirements

In order to obtain the Doctorate of Philosophy in Psychology in Counseling or School Psychology a student must successfully complete the following:

1. A minimum of sixty-six (66) semester hours of approved course work for either the Counseling Psychology concentration or School Psychology concentration beyond the master's degree.
2. A residency consisting of two (2) consecutive semesters of full-time enrollment (a minimum of 9 credit hours per semester).
3. A written qualifying examination.
4. A written comprehensive examination and an oral examination.

5. An approved internship (explained below).
6. A dissertation (explained below).

Internship

A 2000 hour (minimum) pre-doctoral internship is required of the Ph. D. in both Counseling and School Psychology concentrations. Placement of our students in acceptable internships has traditionally occurred, however, obtaining an internship is based upon a national selection process and the University does not guarantee the availability of or selection for an internship. APA approved internships are mandatory for students in the Counseling Psychology concentration except in extenuating circumstances (e.g. geographically bound, family circumstances, etc.). Students seeking this exception must make their desire known in writing to the Program Coordinator as soon as they become aware of the need for such an alternative. In this case, the internship must be listed in the Association of pre- and Post-Doctoral Internship Center (APPIC) directory. In order to fulfill the internship requirement, out-of-state relocation may be necessary.

Dissertation

A student may not enroll in Dissertation until the semester after s/he has successfully completed the comprehensive examination. Once enrolled, the student must continuously re-enroll each semester until the dissertation is successfully completed and defended. Only research that is of an original nature will be accepted. It is required that the dissertation proposal be approved prior to application for internship.

Counseling Psychology Concentration

The doctoral concentration in Counseling Psychology is accredited by the American Psychological Association. It is also a designated Doctoral Program in Psychology of the American Association of State Psychology Boards (AASPB) and is listed in the Council for the National Register of Health Service Providers in Psychology. The Counseling Psychology concentration is designed for students seeking training as Scientist-Professionals. The Concentration requires a minimum of sixty-six (66) semester hours. These hours include core courses in education, psychology, specialty electives, practicum, and dissertation.

Typically students complete the following prerequisite course work in their master's program prior to entry into the doctoral program: statistics, theories of counseling, counseling techniques, social psychology, career counseling, physiological psychology, intelligence testing, history and systems of psychology, psychometrics, developmental psychology, and theories of personality. It is the doctoral student's responsibility, upon acceptance of an offer, to forward to the Program Coordinator a copy of the student's official transcripts and other materials such as syllabi so that the Department can review the student's prior work to ensure that such graduate work has been completed and to recommend needed courses.

A student enrolled in the Counseling Psychology concentration may take the Qualifying Examination for the doctoral degree only after completing all prerequisite master's level courses, and Statistics and Computer Applications for Research (PSYC 7136 and PSYC 7137). Additionally, the student may not have more than 2 outstanding prerequisite courses in need of completion.

Program of Study

- PSYC 7270 - Multicultural Counseling: Theory, Research, & Intervention (3) **CIP:**
- PSYC 7136 - Statistics & Computer Applications to Research (3) **CIP:**
- PSYC 7137 - Advanced Statistics & Research Methods (3) **CIP:**
- PSYC 7730 - Qualitative Research (3) **CIP:**
- PSYC 7150 - Change Processes: Theory, Research & Efficacy (3) **CIP:**
- PSYC 7160 - Pre-Practicum (1) **CIP:**
- PSYC 7255 - Psychopathology (3) **CIP:**
- PSYC 7256 - Assessment of Psychopathology (3) **CIP:**
- PSYC 7260 - Practicum (1) **CIP:**
- PSYC 7535 - Consultation and Program Evaluation (3) **CIP:**
- PSYC 7050 - Ethics & Professional Issues in Counseling Psychology (3) **CIP:**
- PSYC 7365 - Doctoral Practicum in Counseling Psychology (2) **CIP:**
- PSYC 7366 - Doctoral Practicum in Counseling Psychology (2) **CIP:**
- PSYC 7367 - Doctoral Practicum in Counseling Psychology (3) **CIP:**
- PSYC 7368 - Doctoral Practicum in Counseling Psychology (3) **CIP:**
- PSYC 7555 - Assessment, Theory & Interventions with Individuals (3) **CIP:**
- PSYC 7556 - Assessment, Theory & Interventions with Couples, Families & Systems (3) **CIP:**
- PSYC 7557 - Assessment, Theory & Interventions in Supervision (3) **CIP:**
- PSYC 7750 - Career Development: Theories, Methods & Contemporary Issues (3) **CIP:**
- PSYC 6060 - Cognitive and Affective Bases of Behavior (3) **CIP:**

Electives: 9

Courses completed as electives may be taken to satisfy the program elective requirement or may be taken under the specialization sequences. Current specialization sequences are as follows:

Military Specialization:

- PSYC 7170 - Social Psychology: Research in Gender Roles (3) **CIP:**
- PSYC 7559 - Assessment, Theory & Interventions with Military Service Members and Families (3) **CIP:**
- PSYC 7760 - Trauma & Crisis Interventions (3) **CIP:**

Dissertation: 6-15

- PSYC 8110 - Dissertation (3) **CIP:**

Note:

Prior to enrolling in PSYC 8110, students must have successfully completed comprehensive examinations. Once students begin the dissertation, they must register for PSYC 8110 every

semester until the dissertation is complete and defended. After the fifth registration for dissertation, students register in "Dissertation Continuation" at a reduced fee.

Doctoral Internship: 3-3-3

PSYC 8095, PSYC 8096, PSYC 8097 Internship (Counseling Psychology) The successful completion of one year, full-time internship or a two year half-time internship in Psychology at a site approved by the Program Coordinator of Counseling Psychology is required for the awarding of the degree. Students must enroll in PSYC 8095, PSYC 8096, PSYC 8097 during the internship year.

Psychology, School Psychology Concentration, Ph.D.

Psychology Major

The doctoral program offered by the Department of Psychology includes two concentrations: Counseling Psychology and School Psychology. The Counseling Psychology concentration is accredited by the American Psychological Association (APA). Both concentrations seek to prepare graduates for licensure as Counseling Psychologists and School Psychologists as established by the State Board of Examiners in Psychology - Division of Health Related Boards and the Tennessee Board of Education, respectively. Prior graduate course work and the student's goals and objectives are considered in determining annual admissions and the individual student's program of study.

Student Learning Outcomes:

Students will:

1. Have advanced knowledge of psychology.
2. Demonstrate knowledge of human behavior with a multicultural perspective.
3. Have knowledge of research, statistics, and evaluation methods that will enable them to conduct research, publish, present research, and use research to improve psychological knowledge, practice, and understanding.
4. Acquire knowledge of and experience with information sources and technology relevant to psychological practice, research, and education.
5. Be prepared to be ethical scientist-practitioners by demonstrating knowledge of ethical standards, legal mandates, laws, and professional standards in practice, service, and personal endeavors.
6. Effectively integrate formal academic knowledge, theory, and research with the delivery of psychological services and education in a variety of professional settings and to a multicultural clientele.
7. Value personal and professional growth, cultural diversity, societal awareness and respect for others.

Admissions Requirements

A master's degree in psychology, counseling, school psychology, or a related area is required. For the Counseling concentration, the master's degree must be in Counseling Psychology or a

closely related area such as Clinical Psychology or Mental Health Counseling. There is a ceiling on the number of students admitted to the program in a given year. All applicants must submit the following materials via the web-based PSYCAS system by December 1st for admission in the Fall:

1. Official transcripts of all undergraduate and graduate course work. A minimum grade point average of 3.25 at the Master's level is required.
2. Quantitative and Verbal Scores on the Graduate Record Examination (GRE) or Millers Analogy Test (MAT) are required. While both the GRE and MAT are acceptable, the GRE is strongly preferred. The minimum acceptable standards for admission are 3.25 Master's GPA. A typical GRE score for students in the program is 150 (Verbal) and 147 (Quantitative). However, the program does recognize that multiple factors impact scores and that scores do not represent all of a student's unique abilities. Students with scores below these averages are welcome to apply. Exceptions may be considered for applicants with extraordinary qualities who have demonstrated excellence in the field of work or research, and who add diversity to the program. However, a student whose GRE scores are significantly lower than others in the program or whose MAT is less than 425 is not normally considered for admission. Conditional admission is not offered at the Doctoral level.
3. A work history, that is a curriculum vitae that includes work experience and research experience.
4. Three letters of recommendation submitted on the doctoral recommendations forms distributed by the Graduate School.
5. A supplemental application to the Counseling Psychology (Ph.D.) program.

Selection of students for the Doctoral Program in Psychology is highly competitive. Applicants whose materials are received by the December 1st deadline will be evaluated by the respective program committees that will select the applicants to be interviewed on the campus in early February. An interview is required for admission. In keeping with the Uniform Notification Date established by the American Psychological Association, if selected for admission, the applicant will be notified and must respond not later than April 15th to the offer. Admissions are based upon the following criteria:

1. Past academic performance as indicated by undergraduate and graduate grade point average, test scores, and course work at the undergraduate and graduate levels in Psychology.
2. Research and scholarly pursuits as demonstrated by research involvement, presentations, publications, and writing sample.
3. Counseling and interpersonal skills as demonstrated by work experiences including practicum and internships as well as work in the fields of counseling, school psychology, other professional activities, and supervised experiences.
4. A goodness of fit between the goals of the applicant and the goals of the program.
5. Commitment to the field as evidenced by licensure or certification in Psychology or Education as well as involvement in professional associations.
6. Experience with diverse populations.

General Departmental Requirements

In order to obtain the Doctorate of Philosophy in Psychology in Counseling or School Psychology a student must successfully complete the following:

1. A minimum of sixty-six (66) semester hours of approved course work for either the Counseling Psychology concentration or School Psychology concentration beyond the master's degree.
2. A residency consisting of two (2) consecutive semesters of full-time enrollment (a minimum of 9 credit hours per semester).
3. A written qualifying examination.
4. A written comprehensive examination and an oral examination.
5. An approved internship (explained below).
6. A dissertation (explained below).

Internship

A 2000 hour (minimum) pre-doctoral internship is required of the Ph. D. in both Counseling and School Psychology concentrations. Placement of our students in acceptable internships has traditionally occurred, however, obtaining an internship is based upon a national selection process and the University does not guarantee the availability of or selection for an internship. APA approved internships are mandatory for students in the Counseling Psychology concentration except in extenuating circumstances (e.g. geographically bound, family circumstances, etc.). Students seeking this exception must make their desire known in writing to the Program Coordinator as soon as they become aware of the need for such an alternative. In this case, the internship must be listed in the Association of pre- and Post-Doctoral Internship Center (APPIC) directory. In order to fulfill the internship requirement, out-of-state relocation maybe necessary.

Dissertation

A student may not enroll in Dissertation until the semester after s/he has successfully completed the comprehensive examination. Once enrolled, the student must continuously re-enroll each semester until the dissertation is successfully completed and defended. Only research that is of an original nature will be accepted. It is required that the dissertation proposal be approved prior to application for internship.

School Psychology Concentration

The doctoral concentration in School Psychology provides advanced training to work as a professional school psychologist in schools. The program utilizes an ecological-contextual orientation in working with children, schools and families.

The doctoral concentration in School Psychology requires a minimum of sixty-six (66) semester hours. These hours include core courses in education, psychology, guided specialty electives, practicum and dissertation.

A student admitted to the Ph.D. degree program in School Psychology who have been awarded the Ed.S. degree in school psychology from accredited institutions may be granted full credit for a maximum of thirty hours if the hours are acceptable to the students program.

A student enrolled in the School Psychology concentration may take the qualifying examination for the doctoral degree only after graduate courses in the following areas have been completed: statistics, psychometrics, theories of counseling, individual intelligence testing and learning theory. Typically students complete the above graduate work in their master's program prior to entry into the doctoral program. It is the doctoral student's responsibility during the first semester of enrollment to meet with the assigned faculty advisor to review the student's work to insure that such graduate work has been completed and to recommend needed courses.

Program of Study

- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 6130 - Social Bases of Behavior (3) **CIP:**
- PSYC 6430 - History and Systems of Psychology (3) **CIP:**
- PSYC 6900 - Role and Function of the School Psychologist (3) **CIP:**
- PSYC 7050 - Ethics & Professional Issues in Counseling Psychology (3) **CIP:**
- PSYC 7136 - Statistics & Computer Applications to Research (3) **CIP:**
- PSYC 7137 - Advanced Statistics & Research Methods (3) **CIP:**
- PSYC 7150 - Change Processes: Theory, Research & Efficacy (3) **CIP:**
- PSYC 7160 - Pre-Practicum (1) **CIP:**
- PSYC 7255 - Psychopathology (3) **CIP:**
- PSYC 7256 - Assessment of Psychopathology (3) **CIP:**
- PSYC 7260 - Practicum (1) **CIP:**
- PSYC 7465 - Doctoral Practicum in School Psychology (2) **CIP:**
- PSYC 7466 - Doctoral Practicum in School Psychology (2) **CIP:**
- PSYC 7555 - Assessment, Theory & Interventions with Individuals (3) **CIP:**
- PSYC 7557 - Assessment, Theory & Interventions in Supervision (3) **CIP:**
- PSYC 7535 - Consultation and Program Evaluation (3) **CIP:**
- or
- PSYC 7730 - Qualitative Research (3) **CIP:**
- PSYC 7710 - Psychoeducational Assessment (3) **CIP:**

Dissertation: 6-15

- PSYC 8110 - Dissertation (3) **CIP:**

Note: Prior to enrolling in PSYC 8110, students must have successfully completed comprehensive examinations. Once students begin the dissertation, they must register for PSYC 8110 every semester until the dissertation is complete. After the fifth registration for dissertation, students register in "Dissertation Continuation" at a reduced fee.

Doctoral Internship

PSYC 8105, PSYC 8106, PSYC 8107 Internship (School Psychology) The successful completion of one year, full-time internship or a two year half-time internship (minimum 2000 hours) in Psychology at a site approved by the Program Coordinator of School Psychology is required for the awarding of the degree. Students must enroll in PSYC 8105, PSYC 8106, PSYC 8107 during the internship year.

Department of Teaching and Learning

Clara Y. Young, Ed.D., Department Chair

203 Clay Hall

(615)963-5474

cyoung37@tnstate.edu

Degree: Doctor of Education (Ed.D.)

Major: Curriculum and Instruction

Concentrations:

Foundation & Curriculum

Faculty

Master of Education

Curriculum and Instruction, Educational Technology Concentration, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**

Concentrations

- Curriculum Planning (licensed teachers only)
- Educational Technology (non-licensure option)
- Music (non-licensure option)
- Reading Specialist (endorsement only)
- Secondary School Instruction (includes Music Education)
- Teaching English Language Learners (endorsement or non-licensure option)

- **Elementary Education**

- **Special Education**

Concentration

- Mild/Moderate

- **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Curriculum and Instruction

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree and/or seeking initial licensure. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

• Curriculum and Instruction

Concentrations

- ♣ Educational Technology (non-licensure option)
- ♣ Music (non-licensure option)
- ♣ Reading Specialist (endorsement only)
- ♣ Secondary School Instruction
- ♣ Teaching English Language Learners (endorsement or non-licensure option)

• Elementary Education

• Special Education

Concentration

- ♣ K - 8 Interventionist

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet admissions requirements to be accepted into Department programs.

Applicants should refer to the following ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores.) Applicants who are also seeking initial teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree in Curriculum and Instruction must be certified to teach or must meet certification (initial licensure) before the degree is awarded. Exceptions are the concentrations in Educational Technology, Music, and candidates for Teaching English Language Learners (ELL) no-licensure option.

Degree Requirements for Licensure Option

The Master's Degree program in Curriculum and Instruction offer concentrations in Secondary School Instruction and Teaching English Language Learners with initial licensure. This includes all single subjects taught in grades 7-12 and those subjects certified for grades K-12. For certification, candidates must complete the 33-hours of course work plus 12 hours in the semester of student teaching, submit the edTPA portfolio, receive a passing score, and pass comprehensive and pass all required Praxis exams.

Degree Requirements for Non-Licensure Options

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). The degree is completed by conducting project writing.

Degree Requirements for Advanced Degree and Endorsements

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). After completion of the Project Writing course, the university will award the degree. **Degree Requirements for Advanced Degree and Endorsements.**

Program of Study

Required Core - 15 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
or
- EDCI 5260 - Philosophy of Education (3) **CIP:**
- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**

Education Technology Concentration -18 Credits

- EDCI 5730 - Audiovisual Education (3) **CIP:**
- EDCI 5740 - Instructional Technology (3) **CIP:**
- EDCI 5750 - Instructional System Design (3) **CIP:**
- EDCI 5760 - Emerging Technology (3) **CIP:**
- EDCI 5770 - Distance Teaching and Learning (3) **CIP:**
- EDCI 5720 - Introduction to Education Technology (3) **CIP:**

Curriculum and Instruction, Literacy Concentration, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**
Concentrations
 - Curriculum Planning (licensed teachers only)
 - Educational Technology (non-licensure option)
 - Music (non-licensure option)
 - Reading Specialist (endorsement only)
 - Secondary School Instruction (includes Music Education)
 - Teaching English Language Learners (endorsement or non-licensure option)
- **Elementary Education**

- **Special Education**

Concentration

- Mild/Moderate

- **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Curriculum and Instruction

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree and/or seeking initial licensure. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**

Concentrations

- ♣ Educational Technology (non-licensure option)
- ♣ Music (non-licensure option)
- ♣ Reading Specialist (endorsement only)
- ♣ Secondary School Instruction
- ♣ Teaching English Language Learners (endorsement or non-licensure option)

- **Elementary Education**

- **Special Education**

Concentration

- ♣ K - 8 Interventionist

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet admissions requirements to be accepted into Department programs.

Applicants should refer to the following ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores.) Applicants who are also seeking initial teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree in Curriculum and Instruction must be certified to teach or must meet certification (initial licensure) before the degree is awarded. Exceptions are the concentrations in Educational Technology, Music, and candidates for Teaching English Language Learners (ELL) no-licensure option.

Degree Requirements for Licensure Option

The Master's Degree program in Curriculum and Instruction offer concentrations in Secondary School Instruction and Teaching English Language Learners with initial licensure. This includes all single subjects taught in grades 7-12 and those subjects certified for grades K-12. For certification, candidates must complete the 33-hours of course work plus 12 hours in the semester of student teaching, submit the edTPA portfolio, receive a passing score, and pass comprehensive and pass all required Praxis exams.

Degree Requirements for Non-Licensure Options

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). The degree is completed by conducting project writing.

Degree Requirements for Advanced Degree and Endorsements

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). After completion of the Project Writing course, the university will award the degree. **Degree Requirements for Advanced Degree and Endorsements.**

Program of Study

Required Core - 15 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
or
- EDCI 5260 - Philosophy of Education (3) **CIP:**

- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**

Concentration: Reading - 18 hours

The M.Ed. in Curriculum and Instruction with a concentration in Reading is designed for currently licensed teachers seeking an advanced degree in Reading. Candidates who complete this concentration are eligible to apply for Reading Specialist certification. For Reading Specialist certification candidates must have minimum of 18 hours of Reading courses, a minimum of three years classroom teaching experience, and pass the Reading Specialist Praxis. Prerequisite: Admission to the Graduate School and initial teacher certification (if seeking Reading Specialist certification).

Concentration: Reading 18 Hours

- EDLI 5610 - Methods For Literacy and Instruction (K-5) (3) **CIP:**
- EDLI 5640 - Diagnosis and Treatment of Reading Disabilities (3) **CIP:**
- EDLI 5690 - Practicum in Reading Education (3) **CIP:**
- EDLI 5800 - Linguistic Applications to Teaching Language Arts (3) **CIP:**
- EDLI 6030 - Reading and Writing Across the Curriculum (3) **CIP:**
- EDLI 6050 - Strategies for Developing Reading/Study Skills in Middle and Secondary Schools (3) **CIP:**
- EDLI 6120 - Current Trends and Issues in Reading - Language Arts Education (3) **CIP:**
- EDLI 6200 - Directed Individual Study of Instructional Strategies in Reading (1-3) **CIP:**
- EDLI 5590 - Foundations of Teaching Reading (3) **CIP:**
- EDCI 5020 - Strategies, Planning & Curriculum Design for ELL (3) **CIP:**

Curriculum and Instruction, Music Concentration, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**

Concentrations

- Curriculum Planning (licensed teachers only)
- Educational Technology (non-licensure option)
- Music (non-licensure option)
- Reading Specialist (endorsement only)
- Secondary School Instruction (includes Music Education)
- Teaching English Language Learners (endorsement or non-licensure option)

- **Elementary Education**

- **Special Education**

Concentration

- Mild/Moderate

- **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Curriculum and Instruction

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree and/or seeking initial licensure. The program

builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**

- **Concentrations**

- ♣ Educational Technology (non-licensure option)
- ♣ Music (non-licensure option)
- ♣ Reading Specialist (endorsement only)
- ♣ Secondary School Instruction
- ♣ Teaching English Language Learners (endorsement or non-licensure option)

- **Elementary Education**

- **Special Education**

- Concentration

- ♣ K - 8 Interventionist

- **Admission Requirements**

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet admissions requirements to be accepted into Department programs.

Applicants should refer to the following ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores.) Applicants who are also seeking initial teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree in Curriculum and Instruction must be certified to teach or must meet certification (initial licensure) before the degree is awarded. Exceptions are the concentrations in Educational Technology, Music, and candidates for Teaching English Language Learners (ELL) no-licensure option.

Degree Requirements for Licensure Option

The Master's Degree program in Curriculum and Instruction offer concentrations in Secondary School Instruction and Teaching English Language Learners with initial licensure. This includes all single subjects taught in grades 7-12 and those subjects certified for grades K-12. For certification, candidates must complete the 33-hours of course work plus 12 hours in the semester of student teaching, submit the edTPA portfolio, receive a passing score, and pass comprehensive and pass all required Praxis exams.

Degree Requirements for Non-Licensure Options

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). The degree is completed by conducting project writing.

Degree Requirements for Advanced Degree and Endorsements

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). After completion of the Project Writing course, the university will award the degree. **Degree Requirements for Advanced Degree and Endorsements.**

Program of Study

Required Core - 15 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
or
- EDCI 5260 - Philosophy of Education (3) **CIP:**

- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**

Concentration: Music - 18 hours

Concentration (12 hours)

Concentration Core (9 hours)

- MUSC 5000 - Introduction to Graduate Study in Music (3)
- MUSC 5320 - Survey and Pedagogy of Music Theory (3)
- MUSC 6020 - Project Writing (3) *

Note:

*The project involves research or direct application activity in music education, under the direction of a project advisor. A written project document in standard academic format is required as supporting evidence of the project activity.

Concentration (3 hours): Choose one course

- MUSC 5510 - Applied Music (1) (repeatable)
- MUSC 5010 - Advanced Vocal Methods (3)
- MUSC 5100 - Instrumental Methods and Materials (3)
- MUSC 5270 - Supervision of School Music (3)
- MUSC 5250 - Foundation of Music Education (3) **

Note:

**strongly recommended

Guided Electives in Music (6 hours)

Music Theory (3 hours): Choose one course

- MUSC 5280 - Physics of Music (3)
- MUSC 5340 - Harmonic Counterpoint (3)
- MUSC 5520 - Special Topics (3)

Music History (3 hours): Choose one course

- MUSC 5070 - The Symphony (3)
- MUSC 5080 - The Opera (3)
- MUSC 5090 - Twentieth Century Music (3)
- MUSC 5525 - Special Topics (3)

Note: The above-listed concentration is a non-license program for those seeking an advanced degree in Music (the utilization of 21st skills and methodologies). This is not the program for individuals seeking initial licensure in Music Education. Those individuals should apply for the M.Ed. in Curriculum and Instruction, concentration in Music).

Curriculum and Instruction, Secondary School Instruction Concentration, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**

Concentrations

- Curriculum Planning (licensed teachers only)
- Educational Technology (non-licensure option)
- Music (non-licensure option)
- Reading Specialist (endorsement only)
- Secondary School Instruction (includes Music Education)
- Teaching English Language Learners (endorsement or non-licensure option)

- **Elementary Education**

- **Special Education**

Concentration

- Mild/Moderate

- **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Curriculum and Instruction

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree and/or seeking initial licensure. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**

- Concentrations**

- ♣ Educational Technology (non-licensure option)
- ♣ Music (non-licensure option)
- ♣ Reading Specialist (endorsement only)
- ♣ Secondary School Instruction
- ♣ Teaching English Language Learners (endorsement or non-licensure option)

- **Elementary Education**

- **Special Education**

- Concentration

- ♣ K - 8 Interventionist

- Admission Requirements**

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet admissions requirements to be accepted into Department programs.

Applicants should refer to the following ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores.) Applicants who are also seeking initial teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree in Curriculum and Instruction must be certified to teach or must meet certification (initial licensure) before the degree is awarded. Exceptions are the concentrations in Educational Technology, Music, and candidates for Teaching English Language Learners (ELL) no-licensure option.

Degree Requirements for Licensure Option

The Master's Degree program in Curriculum and Instruction offer concentrations in Secondary School Instruction and Teaching English Language Learners with initial licensure. This includes all single subjects taught in grades 7-12 and those subjects certified for grades K-12. For certification, candidates must complete the 33-hours of course work plus 12 hours in the semester of student teaching, submit the edTPA portfolio, receive a passing score, and pass comprehensive and pass all required Praxis exams.

Degree Requirements for Non-Licensure Options

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). The degree is completed by conducting project writing.

Degree Requirements for Advanced Degree and Endorsements

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). After completion of the Project Writing course, the university will award the degree. **Degree Requirements for Advanced Degree and Endorsements.**

Program of Study

Required Core - 15 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
- or
- EDCI 5260 - Philosophy of Education (3) **CIP:**
- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**

Concentration: Secondary School Instruction -18 suggested hours

(courses other than those listed below may be taken with consent of the advisor)

Concentration Courses - 12 hours

- PSYC 5330 - Measurement and Evaluation for the Classroom (3) **CIP:**
- EDSE 5530 - Education and Psychology of Exceptional Children (3) **CIP:**

- EDCI 5840 - Classroom Management: Creating A Community of Learners (3) **CIP:**

Licensure Courses - 6 hours

(candidate must be admitted to Teacher Education program)

- EDLI 6050 - Strategies for Developing Reading/Study Skills in Middle and Secondary Schools (3) **CIP:**
- EDCI 5715 - Advanced Methods of Teaching For Secondary Teachers (3) **CIP:**

Note: Candidates must successfully pass the required PRAXIS II for the specialized area; in addition to the Principles of Learning and Teaching (PLT). Candidates are required to complete a residency (student teaching) field experience in the middle/secondary school setting. *The master's degree cannot be awarded until licensure requirements are fulfilled.

Student Teaching for Initial Licensure - 12 hours beyond course work

- EDCI 4705 - Educational Seminar (3)
- EDCI 4720 - Student Teaching in the Elementary School (9)

Curriculum and Instruction, Teaching English Language Learners (ELL) Concentration, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**
Concentrations
 - Curriculum Planning (licensed teachers only)
 - Educational Technology (non-licensure option)
 - Music (non-licensure option)
 - Reading Specialist (endorsement only)
 - Secondary School Instruction (includes Music Education)
 - Teaching English Language Learners (endorsement or non-licensure option)
- **Elementary Education**
- **Special Education**
Concentration
 - Mild/Moderate
- **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Curriculum and Instruction

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree and/or seeking initial licensure. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

• Curriculum and Instruction

Concentrations

- ♣ Educational Technology (non-licensure option)
- ♣ Music (non-licensure option)
- ♣ Reading Specialist (endorsement only)
- ♣ Secondary School Instruction
- ♣ Teaching English Language Learners (endorsement or non-licensure option)

• Elementary Education

• Special Education

Concentration

- ♣ K - 8 Interventionist

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet admissions requirements to be accepted into Department programs.

Applicants should refer to the following ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores.) Applicants who are also seeking initial teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree in Curriculum and Instruction must be certified to teach or must meet certification (initial licensure) before the degree is awarded. Exceptions are the concentrations in Educational Technology, Music, and candidates for Teaching English Language Learners (ELL) no-licensure option.

Degree Requirements for Licensure Option

The Master's Degree program in Curriculum and Instruction offer concentrations in Secondary School Instruction and Teaching English Language Learners with initial licensure. This includes all single subjects taught in grades 7-12 and those subjects certified for grades K-12. For certification, candidates must complete the 33-hours of course work plus 12 hours in the semester of student teaching, submit the edTPA portfolio, receive a passing score, and pass comprehensive and pass all required Praxis exams.

Degree Requirements for Non-Licensure Options

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). The degree is completed by conducting project writing.

Degree Requirements for Advanced Degree and Endorsements

The Master's Degree program in Curriculum and Instruction offers concentrations in Educational Technology, Music, and Teaching English Language Learners. Candidates must complete the 33-hours of course work and pass comprehensive exams. Candidates for the concentration in music must have an undergraduate degree (B.A. or B.S.) in Music as a pre-requisite (not the initial licensure program). After completion of the Project Writing course, the university will award the degree. **Degree Requirements for Advanced Degree and Endorsements.**

Program of Study

Required Core - 15 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
or
- EDCI 5260 - Philosophy of Education (3) **CIP:**
- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**

Concentration: Teaching English Language Learners (ELL) 18-hours

- EDCI 5010 - Issues in Bilingual Education and Second Language Acquisition (3) **CIP:**
- EDCI 5020 - Strategies, Planning & Curriculum Design for ELL (3) **CIP:**
- EDCI 5030 - Teaching and Assessment of ELLs (3) **CIP:**
- EDLI 5800 - Linguistic Applications to Teaching Language Arts (3) **CIP:**
- EDCI 5040 - Content Area Instruction for ELLs (3) **CIP:**
- EDCI 5050 - Classroom Practice in Adult ESL (3) **CIP:**

Note: Candidates seeking licensure in ELL must successfully pass the required Praxis II for the specialized area; in addition to the Principles of Learning and Teaching (PLT). Candidates are required to complete a residency (student teaching including the edTPA portfolio) field experience in the middle/secondary school setting. The master's degree cannot be awarded until licensure requirements are fulfilled for declared licensure candidates.

Student Teaching for Initial Licensure - 12 hours beyond course work

- EDCI 4705 - Educational Seminar (3)
- EDCI 4720 - Student Teaching in the Elementary School (9)

Elementary Education, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**
Concentrations
 - Curriculum Planning (licensed teachers only)

- Educational Technology (non-licensure option)
- Music (non-licensure option)
- Reading Specialist (endorsement only)
- Secondary School Instruction (includes Music Education)
- Teaching English Language Learners (endorsement or non-licensure option)
 - **Elementary Education**
 - **Special Education**
 - Concentration
- Mild/Moderate
 - **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Elementary Education

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet all admissions requirements to be accepted into Department programs.

Applicants should refer to the follow ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by fulfilling required score on graduate exam (GRE or MAT) and earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores). Applicants who are seeking initial teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree Elementary Education must be certified to teach or must meet certification (initial licensure) before the degree is awarded.

Degree Requirements

Candidates for the Master of Education degree, and initial certification, must take a minimum of 36 semester hours of course work. Candidates for the Master of Education degree who are adding elementary to an existing endorsement must complete a minimum of 33 semester hours of course work. Both candidates must successfully pass comprehensive examinations in the fields of general education and elementary education. A two-part comprehensive examination is required to complete the degree. The first part is an examination that covers the general core courses and the second part is a subject/discipline specific examination.

Program of Study

Professional Education Required Course - 12 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**

Concentration Course - 12 hours

- PSYC 5330 - Measurement and Evaluation for the Classroom (3) **CIP:**
- EDSE 5530 - Education and Psychology of Exceptional Children (3) **CIP:**
- EDCI 5840 - Classroom Management: Creating A Community of Learners (3) **CIP:**

Licensure Courses - 12 hours

(candidate must be admitted to Teacher Education program)

- EDLI 5610 - Methods For Literacy and Instruction (K-5) (3) **CIP:**
- EDCI 5820 - Advanced Mathematics in The Elementary School (3) **CIP:**
- EDCI 5290 - Advanced Language Arts (3) **CIP:**

- EDCI 5270 - Advanced Social Studies (3) **CIP:**
or
- EDCI 5830 - Advanced Science in The Elementary School (3) **CIP:**

Note: Those seeking initial licensure must have a transcript analysis done by the Office of Teacher Education and Student Services and must be admitted to Teacher Education before enrolling in the courses below. Candidates must successfully pass the required PRAXIS II for the specialized area; in addition to the edTPA. Candidates are required to complete a residency (student teaching) field experience in an elementary school setting. *The master's degree will not be awarded until licensure requirements are fulfilled. All course work and PRAXIS exams must be completed before enrolling in the final two courses in the last semester. Student Teaching for Initial Licensure - 12 hours beyond course work.

Student Teaching for Initial Licensure - 12 hours beyond course work

- EDCI 4706 - Educational Seminar (3)
- EDCI 4720 - Student Teaching in the Elementary School (9)

Special Education, M.Ed.

Degree: Master of Education (M.Ed.)

The Master of Education program provides advanced study to certified teachers* or teacher candidates who have completed a bachelor's degree. The program builds on the College of Education's conceptual framework, to prepare educators to become competent and caring professionals who are able to work effectively with diverse populations.

*Licensed or certified in the State of Tennessee or a United States equivalent.

Specifically, the goals are to provide advanced study in the following areas:

- **Curriculum and Instruction**
Concentrations
 - Curriculum Planning (licensed teachers only)
 - Educational Technology (non-licensure option)
 - Music (non-licensure option)
 - Reading Specialist (endorsement only)
 - Secondary School Instruction (includes Music Education)
 - Teaching English Language Learners (endorsement or non-licensure option)
- **Elementary Education**
- **Special Education**
Concentration
 - Mild/Moderate
- **Advanced Studies in Teaching and Learning**

Student Learning Outcomes:

Graduates will:

1. Become reflective, caring, competent, and culturally responsive practitioners who are able to work with diverse populations using research-based interventions.
2. Generate new knowledge through scholarly research and communication.
3. Apply relevant theory, philosophy, research, policies, legislation, and best practice to their professional goals.
4. Demonstrate growth in knowledge of content, differentiated interventions, and developmentally appropriate pedagogy.
5. Become collaborators with learners, parents, the community, and other professionals.
6. Uphold the ethical standards, values, and attitudes of the education profession

Major: Special Education

The Special Education program provides candidates with courses and experiences designed to prepare competent professionals facilitators of learning with a multicultural perspective to serve in various educational capacities. Graduates are prepared to serve as classroom teachers, and to serve as professionals employed by hospitals, group homes, mental health centers, and other community service agencies, both public and private, serving individuals with disabilities.

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and satisfactory scores on the Graduate Record Examination (GRE) or Millers Analogies (MAT). The GRE or MAT result is used in the evaluation of the academic qualifications of all graduate applicants. *Note: International students must meet all admissions requirements to be accepted into Department programs.

Applicants should refer to the follow ranges to determine the minimum score, based on their GPA of record:

GPA of 2.5 or higher	MAT - 370	GRE - 290
GPA of 2.25 - 2.49	MAT - 383	GRE - 293
GPA of 2.0 - 2.24	MAT - 394	GRE - 297

Conditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher based on the above weightings. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application. The student must remove conditional status by fulfilling required score on graduate exam (GRE or MAT) and earning at least a B (3.0) average in the first nine hours of graduate courses. Failure to achieve this will result in withdrawal from the program. A student with a lower GRE/MAT score does not qualify for conditional admission regardless of a GPA of 2.5 or higher.

Admissions to teacher education programs at the graduate level may require additional evidence of academic performance (higher GPA, other test scores). Applicants who are seeking initial

teaching license should contact the Office of Teacher Education and Student Services for current requirements.

Applicants who are potential candidates for the Master's Degree Special Education must be certified to teach or must meet certification (initial licensure) before the degree is awarded.

Degree Requirements

Candidates for the Master of Special Education degree, and initial certification (K-8 Interventionist), must take a minimum of 42 semester hours of course work. Candidates for the Master of Special Education degree who are adding certification to an existing license must complete a minimum of 33 semester hours of course work. Both candidates must successfully pass a two-part comprehensive examination is required to complete the degree. The first part is an examination that covers the general core courses and the second part is a subject/discipline specific examination.

Program of Study

Candidates in the M.Ed. degree in Special Education must complete 42 semester hours and pass comprehensive examinations in general education and special education. Candidates take the 15 hours required for professional core, 15 hours in Special Education, and 15 hours in basic instructional methods courses which includes 3 hours of supervised student teaching.

Candidates seeking initial teacher licensure must satisfy requirements for admission to Teacher Education before enrolling in the final semester of student teaching where 6 semester hours of course work are completed including edTPA portfolio.

The master's degree will not be awarded until licensure requirements are fulfilled.

Required Professional Education Core - 15 hours

- EDCI 5000 - Foundations of Education (3) **CIP:**
- EDSE 5530 - Education and Psychology of Exceptional Children (3) **CIP:**
- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**

Specialized Core Courses Required for Initial Licensure-27 hours

The Post-Baccalaureate Curriculum is for those who do not hold a valid professional Tennessee teaching license. Those seeking initial licensure must have a transcript analysis done by the Office of Teacher Education, and must be admitted to Teacher Education before enrolling in the following courses.

- EDSE 5560 - Psycho-Educational Diagnosis of the Exceptional Child (3) **CIP:**
- EDSE 5570 - Consultation and Collaboration (3) **CIP:**
- EDSE 5580 - Learning and Behavior Disabilities (3) **CIP:**
- EDSE 5640 - Managing Inappropriate Classroom Behavior (3) **CIP:**
- EDSE 5800 - Technology in Special Education and Rehabilitation (3) **CIP:**

- EDLI 5610 - Methods For Literacy and Instruction (K-5) (3) **CIP:**
or
- EDLI 5590 - Foundations of Teaching Reading (3) **CIP:**
- EDLI 5640 - Diagnosis and Treatment of Reading Disabilities (3) **CIP:**

Certification:

Candidates must successfully pass all of the required Praxis examinations for Special Education including the Principles of Learning and Teaching (PLT). Candidates are required to complete a residency (student teaching including the edTPA portfolio) field experience in an exceptional setting. All course work and Praxis Exams must be completed before enrolling for the final two courses in the last semester.

- EDCI 4705 - Educational Seminar (3)
- EDSE 5950 - Student Teaching of Exceptional Children (6-12) **CIP: (9)**
(must be taken concurrently with EDCI 4705)

Note: With the 15 hours from the required professional core above, and 30 hours from the specialized core, the credit hour requirement for the master's degree and initial certification are met. Option A is for those who are licensed in another area and wish to add special education to the license.

Option A

The 18-hour Endorsement Curriculum is only for persons adding Special Education Modified K-8 to an existing Tennessee professional teaching license.

- EDSE 5530 - Education and Psychology of Exceptional Children (3) **CIP:**
Note: Not required of students certified to teach.
- EDSE 5560 - Psycho-Educational Diagnosis of the Exceptional Child (3) **CIP:**
- EDSE 5570 - Consultation and Collaboration (3) **CIP:**
- EDSE 5580 - Learning and Behavior Disabilities (3) **CIP:**
- EDSE 5640 - Managing Inappropriate Classroom Behavior (3) **CIP:**
- EDSE 5800 - Technology in Special Education and Rehabilitation (3) **CIP:**
- EDLI 5610 - Methods For Literacy and Instruction (K-5) (3) **CIP:**
or
- EDSE 5950 - Student Teaching of Exceptional Children (6-12) **CIP: ***

Note: reading courses not required if already certified

(*EDCI 4705 or 4706 must be taken concurrently with this course.)

Doctor of Education

Curriculum and Instruction, Foundations and Curriculum

Foundations (Major Concentration) - 12 Credits

- EDCI 7000 - Foundations of Education (3) **CIP:**
- EDCI 7020 - Introduction to Doctoral Scholarship (3) **CIP:**
- EDCI 7450 - Learning Theories for Teachers (3) **CIP:**
- EDCI 7300 - EDCI 7300 Diversity in Education (3) **CIP:**

Research - 12 Credits

- EDAD 6000 - Statistical Analysis in Educational Leadership I (3) **CIP:**
- EDCI 7120 - Advanced Methods of Research (3) **CIP:**
- EDAD 7180 - Statistical Analysis in Educational Leadership II (3) **CIP:**
- PSYC 7730 - Qualitative Research (3) **CIP:**

Cognate - 9 Credits

Electives - 6 Credits

- EDCI 7740 - Advanced Qualitative Research Methods (3) **CIP:**
- EDCI 7190 - Applied Technology in Research Development (3) **CIP:**

Dissertation - 15 Credits

A candidate must register for EDCI 8100 at least three semesters when beginning the dissertation and until the dissertation is complete. After the fifth registration, candidates may register in the "EDCI-8100 Doctoral Dissertation Section 35" at a reduced fee.

- EDCI 8100 - Doctoral Dissertation (3-15) **CIP:**

Concentration - 15 Credits

- EDCI 7080 - Curriculum Theory (3) **CIP:**
- EDCI 7140 - Principles of Teaching (3) **CIP:**
- EDCI 7870 - The Elementary and Secondary Curriculum (3) **CIP:**
- EDCI 7130 - Evaluation of Education Programs (3) **CIP:**
- EDCI 7340 - Curriculum Development & Design (3) **CIP:**

College of Education Graduate Faculty (Educational Leadership)

Carole A. de Casal, Professor

B.A., 1971, M.Ed. 1978, Ed.D. 1980, University of Utah. MBA, 2007, Novus University.

Eleni D. Elder, Professor

B.A., 1985, University of Mary Washington; M.Ed., 1998, Virginia Commonwealth University; Ed.D., 2002, Florida Atlantic University.

Eric Vogel, Professor

B.A., 1971, Louisiana State University at New Orleans; M.Ed., 1974, University of New Orleans; Ph.D., 1983, Florida State University.

Janet M. Finch, Professor

B.S., 1972, M.A., 1978, Tennessee State University; Ph.D., 1985, George Peabody College of Vanderbilt University.

Jewell Winn, Assistant Professor

B.B.A., 1981, Middle Tennessee State University; M.P.A., 1988, Tennessee State University; Ed.D., 2008, Tennessee State University.

Kirmanj Gundi, Professor & Interim Chair

B.S., 1986, Tennessee State University; M.Ed., 1994, Tennessee State University; Ed.D., 1998, Tennessee State University.

Robbie Melton, Professor

B.S., 1972, Wayne State University; M.Ed., 1974, Wayne State University; Ph.D., 1979, University of Michigan.

Trinetia L. Respress, Professor and Department Chair

B.B.A., 1989, University of West Georgia; M.A., 1994, Tennessee Technological University; Ed.D., 1997, East Tennessee State University.

College of Education Graduate Faculty (Psychology)

Eva Gibson, Assistant Professor

B.S., 2004; M.S., 2006, Austin Peay State University; Ed.D., 2013, Argosy University

James Brooks, Assistant Professor

B.S., 2009, Illinois State University; Ph.D., 2016, University of Illinois at Urbana-Champaign

James Campbell, Associate Professor

B.A., 1982, Central State University; M.S., 1984, Oklahoma State University; Ph.D., 1991, Oklahoma State University

Joan Popkin, Associate Professor

B.S., 1995, M.S., 1996, Ph.D., 2002, University of Tennessee

John Dossett, Associate Professor

B.S., 1990, M.A., 1995, Ball State University; Ph.D., 2000, University of Tennessee

Joshua Shive, Associate Professor

B.S., 2002, Truman State University; M.S., 2004, Ph.D., 2008, Purdue University

Kiesa Kelly, Associate Professor

B.A., 1996, Bowdoin College; M.S. & Ph.D., 2003, Rosalind Franklin University of Medicine and Science

Lisa de la Mothe, Associate Professor

B.S., 2001, University of Tennessee at Martin; M.A., 2006, Ph.D., 2008, Vanderbilt University

Marie S. Hammond, Professor

B.M.E., 1978, Olivet College; M.A., 1980, Ph.D., 1999, University of Missouri

Mary Shelton, Associate Professor

B.S., 1975, University of the South; M.S., 1989, Ph.D., 1999; George Peabody College of Vanderbilt University

Megan Morrison, Assistant Professor

B.A., B.A., & B.S., 2012, University of Southern Indiana; M.A., 2014; Ph.D., 2018, Southern Illinois University

Olivia Holmes, Assistant Professor

B.A., 2013, Guilford College; M.A., 2016, University of Illinois at Chicago; Ph.D., 2018, University of Illinois at Chicago

Roberto Abreu, Assistant Professor

B.S., 2010; M.S., 2013, Florida International University; Ed.S., 2015; Ph.D., 2018, University of Kentucky

Robin Oatis-Ballew, Associate Professor

B.A., 1995, Fisk University; M.S., 1998, Ph.D., 2001; Howard University.

Thurman Webb, Assistant Professor

B.S., 2000, M.S., 2006, Tennessee State University, Ed.D., 2011, Walden University

College of Education Graduate Faculty (Teaching and Learning)

Beth Christian, Professor

B.A., 1991, University of Tennessee; M.A., 1993, Middle Tennessee State University; Ph.D., 2002, Peabody College of Vanderbilt University

Blanche Glimps, Professor

B.S., 1964, Eastern Michigan University; M.Ed., 1967, Wayne State University; Ph.D., 1979, University of Michigan

Calli Holaway, Assistant Professor

B.S., 1993, Concordia University, Nebraska; M.A., 1999, University of South Dakota; Ph.D., 2005, University of Arkansas

Celeste Williams, Professor

B.S., 1987, Guilford College; M.S., 1995; Ed.D. 2001, Tennessee State University

Charles Dickens, Professor

B.A., 1971, George Peabody College for Teachers; M.S., 1972, University of Tennessee; Ph.D., 1979, George Peabody College of Vanderbilt University

Clara Y. Young, Professor

B.S., Illinois State University; MA, 1984, Webster University; Ed.D., Illinois State University

Dolores Mathis, Professor

B.A., 1967, Florida A & M; M.A., 1969, M.A., 1971, The Ohio State University, Ed.S., 1971, Ph.D., 1975, University of Michigan

Graham Matthews, Associate Professor

B. S., 1969, Central State University; A.M., 1970, Ph. D. 1976, The University of Michigan; M. Div, 1982, Vanderbilt University

Heraldo Richards, Associate Professor, Associate Dean, College of Education

B.A., 1975, University of Chicago; M.A.; 1985, University of Michigan; Ph.D., 1993, Northwestern University

Jane Asamani, Professor

Practitioner License, 1981, Moneaque Teachers College, St. Ann, Jamaica; B.A., 1981, University of the West Indies, Mona Kingston, Jamaica; M.A., 1986, Fisk University; Ed.S., 1993, Tennessee State University; Ed.D., 1995, Tennessee State University

John David Tiller, Assistant Professor

B.S., 1973, Gardner Webb University, M.R.E.; 1978, Southeastern Baptist Theological Seminary; Ed.D., 2000, Tennessee State University.

John Mark Hunter, Professor

B.A., 1982, College of Charleston; M.M.A., 1983, University of South Carolina; Ed.D., 1991, Virginia Polytechnic Institute and State University

Judith Presley, Professor

B.S., 1969, Tennessee State University; M.S., 1974, Tennessee State University; Ph.D., 1998, George Peabody College of Vanderbilt

Kisha Bryan, Assistant Professor

B. A., 1999 Voorhees College; M.A. 2002, State University of New York; Ph. D, 2012 University of Florida

Latoya Johnson, Assistant Professor

B. S., 2007, The University of Southern Mississippi; M.S., 2011, Belhaven University; Ph. D., 2015, The University of Georgia

Nicole Kendall Arrighi, Professor

B.S., 1999 University of Tennessee at Martin, M.S. 2000, Peabody College of Vanderbilt University, Ed.D, 2005, Tennessee State University.

Show-Mei Lin, Assistant Professor

B.A., 1981, Soochow University; M.S.W. 1985, California State University, Fresno; Ph.D, 2009, The University of Oklahoma.

Sumita Chakraborti Ghosh, Professor

B.S., 1975, Calcutta University, Calcutta, India; B.S., 1987, Utah State University; M.A., 1979, Rabindrabharah University, Calcutta India; Ph.D., 1998, New Mexico State University

College of Engineering

S. Keith Hargrove, CMfgE, PE, Ph.D., Dean
203 Andrew P. Torrence Hall (615) 963-5401
skhargrove@tnstate.edu

Frances Williams, Ph.D., Associate Dean 230E Andrew P. Torrence Hall (615) 963-5401 frwilliams@tnstate.edu

The College of Engineering includes the departments of Civil and Architectural, Electrical and Computer Engineering, Mechanical and Manufacturing Engineering, Aeronautical and Industrial Technology, Mathematical Sciences and Computer Science. The College has about 55 faculty full-time faculty and about 80 percent of them hold Ph.D. degrees. The Engineering Research Institute, the research arm of the College, has an average operating budget of 2 million dollars per year and supports about fifteen different research projects.

Degree Programs

Computer and Information Systems Engineering Ph.D.
Computer, Information, and Systems Engineering M.S.
Computer Science M.S.
Engineering M.E.

Major: Computer and Information Systems Engineering (CISE)
Degree: Doctor of Philosophy (Ph.D.)

Concentrations:

Computer Communication and Networks
Control System and Signal Processing
Robotics and Computer Integrated Manufacturing

Major: Computer, Information and Systems Engineering (CISE)
Degree: Master of Science (M.S.)

Major: Computer Science
Degree: Master of Science (M.S.)

Concentrations: High-Performance Computing & Bioinformatics
Cyber Security & Networking

Major: Engineering
Degree: Master of Engineering (M.E.)

Concentrations:

Biomedical Engineering
Civil Engineering
Environmental Engineering
Electrical Engineering
Mechanical Engineering
Manufacturing Engineering

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

Master of Engineering

Engineering, Biomedical Engineering Concentration, M.E.

Engineering Major

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

The Master of Engineering degree requires

1. admission of all degree seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University;
2. a minimum of thirty-three (33) graduate semester hours of coursework, including at least six (6) credit hours of mathematics, three (3) credit hours of laboratory based courses, three (3) credit hours of special problems in engineering applications (design project), and six (6) credit hours of electives with the consent of the advisor.

Substitution within the core courses may be permitted with the consent of the advisor and the department head.

Admission Requirements

For unconditional admission to the Master of Engineering degree program, the student must have a bachelor's degree in engineering or science from an accredited program and must have the necessary prerequisite courses. If the evaluation of a student's undergraduate degree program reveals prerequisite deficiencies, the student must eliminate them by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved. None of the courses used to eliminate undergraduate deficiencies may be used in the student's program of study for the Master of Engineering degree.

For admission with unconditional classification, in addition to the above, the student must possess a grade point average (GPA) of 3.00 on a 4.00 scale.

For admission with conditional classification, in addition to the above, the student must have a GPA between 2.75 and 2.99 or a GPA between 2.50 and 2.74 and a passing score of 70 on the Fundamental of Engineering (FE) examination.

All students applying for admission must submit to the Graduate School a completed Graduate Application form and two copies of transcripts from all colleges and universities previously attended.

Program of Study

Courses Required, All Options - 12 hours

- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
 - CISE 5220 - Computer Aided Systems Design (3) **CIP: ***
- or

- BMEN 5000 (3) *
- or
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP:** *
- or
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) *
- or
- CVEN 5050 - Transportation Modeling (3) **CIP:** *

- ENGR 5500 - Special Problems (3) **CIP:**

Note: *According to Concentration

Either of the following three-hour courses

- ENGR 5150 - Numerical Methods in Engineering (3) **CIP:**
- ENGR 5020 - Optimization Methods for Engineers (3)

Concentration I: Biomedical Engineering

Areas of Specialization

Biomedical Core Courses - 15 hours

- BIOL 5200 - General Physiology (3) **CIP:**
- or
- BIOL 5240 - Systemic Physiology (3) **CIP:**

- BIOL 5150 - Special Problems II (3) **CIP:**
- BMEN 5010 - Introduction to Biomedical Engineering (3) **CIP:**
- BMEN 5030 - Medical Imaging and Signal Processing (3) **CIP:**
- BMEN 5040 - Biomechanics (3) **CIP:**

Electives with the consent of the advisor - 6 hours

Engineering, Civil Engineering Concentration, M.E.

Engineering Major

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

The Master of Engineering degree requires

1. admission of all degree seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University;
2. a minimum of thirty-three (33) graduate semester hours of coursework, including at least six (6) credit hours of mathematics, three (3) credit hours of laboratory based courses, three (3) credit hours of special problems in engineering applications (design project), and six (6) credit hours of electives with the consent of the advisor.

Substitution within the core courses may be permitted with the consent of the advisor and the department head.

Admission Requirements

For unconditional admission to the Master of Engineering degree program, the student must have a bachelor's degree in engineering or science from an accredited program and must have the necessary prerequisite courses. If the evaluation of a student's undergraduate degree program reveals prerequisite deficiencies, the student must eliminate them by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved. None of the courses used to eliminate undergraduate deficiencies may be used in the student's program of study for the Master of Engineering degree.

For admission with unconditional classification, in addition to the above, the student must possess a grade point average (GPA) of 3.00 on a 4.00 scale.

For admission with conditional classification, in addition to the above, the student must have a GPA between 2.75 and 2.99 or a GPA between 2.50 and 2.74 and a passing score of 70 on the Fundamental of Engineering (FE) examination.

All students applying for admission must submit to the Graduate School a completed Graduate Application form and two copies of transcripts from all colleges and universities previously attended.

Program of Study

Courses Required, All Options - 12 hours

- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:** *
- or
- BMEN 5000 (3) *
- or
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP:** *
- or

- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP: ***
or
- CVEN 5780 - Finite Element Analysis (3) **CIP: ***
or
- CVEN 5780 - Finite Element Analysis (3) *
or
- CVEN 5050 - Transportation Modeling (3) **CIP: ***

- ENGR 5500 - Special Problems (3) **CIP:**

Note:

*According to Concentration

Either of the following three-hour courses

- ENGR 5150 - Numerical Methods in Engineering (3) **CIP:**
- ENGR 5020 - Optimization Methods for Engineers (3)

Concentration II: Civil Engineering

Farouk Mishu, Ph.D., P.E., Interim Chair and Professor

Civil Engineering

Required Courses

- CVEN 5050 - Transportation Modeling (3) **CIP:**
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP:**
- CVEN 5780 - Finite Element Analysis (3) **CIP:**

Most Commonly Offered Elective Courses

Transportation Engineering Courses with the consent of the advisor

- CVEN 5090 - Traffic Engineering (3) **CIP:**
- CVEN 5100 - Pavement Design (3) **CIP:**
- CVEN 5200 - Geometric Design of Highways (3) **CIP:**
- CVEN 5660 - Highway Safety Engineering (3) **CIP:**

Structural Engineering Courses with the consent of the advisor

- CVEN 5420 - Advanced Foundation Engineering (3) **CIP:**
- CVEN 5710 - Advanced Reinforced Concrete Design (3) **CIP:**
- CVEN 5730 - Matrix Analysis of Structures **CIP: (3)**
- AREN 5100 - Computer Codes (3) **CIP:**

Environmental Engineering Courses with the consent of the advisor

- CVEN 5290 - Air Pollution Control (3) **CIP:**
- CVEN 5320 - Environmental Engineering Design (3) **CIP:**
- CVEN 5350 - Hazardous Waste Management (3) **CIP:**
- CVEN 5380 - Environmental Impact Analysis (3) **CIP:**

Engineering, Electrical Engineering Concentration, M.E.

Engineering Major

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

The Master of Engineering degree requires

1. admission of all degree seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University;
2. a minimum of thirty-three (33) graduate semester hours of coursework, including at least six (6) credit hours of mathematics, three (3) credit hours of laboratory based courses, three (3) credit hours of special problems in engineering applications (design project), and six (6) credit hours of electives with the consent of the advisor.

Substitution within the core courses may be permitted with the consent of the advisor and the department head.

Admission Requirements

For unconditional admission to the Master of Engineering degree program, the student must have a bachelor's degree in engineering or science from an accredited program and must have the necessary prerequisite courses. If the evaluation of a student's undergraduate degree program reveals prerequisite deficiencies, the student must eliminate them by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved. None of the courses used to eliminate undergraduate deficiencies may be used in the student's program of study for the Master of Engineering degree.

For admission with unconditional classification, in addition to the above, the student must possess a grade point average (GPA) of 3.00 on a 4.00 scale.

For admission with conditional classification, in addition to the above, the student must have a GPA between 2.75 and 2.99 or a GPA between 2.50 and 2.74 and a passing score of 70 on the Fundamental of Engineering (FE) examination.

All students applying for admission must submit to the Graduate School a completed Graduate Application form and two copies of transcripts from all colleges and universities previously attended.

Program of Study

Courses Required, All Options - 12 hours

- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**

- CISE 5220 - Computer Aided Systems Design (3) **CIP: ***
or
- BMEN 5000 (3) *
or
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP: ***
or
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP: ***
or
- CVEN 5780 - Finite Element Analysis (3) **CIP: ***
or
- CVEN 5780 - Finite Element Analysis (3) *
or
- CVEN 5050 - Transportation Modeling (3) **CIP: ***

- ENGR 5500 - Special Problems (3) **CIP:**

Note:

*According to Concentration

Either of the following three-hour courses

- ENGR 5150 - Numerical Methods in Engineering (3) **CIP:**
- ENGR 5020 - Optimization Methods for Engineers (3)

Concentration IV: Electrical Engineering

Mohamed Saleh Zein-Sabatto, Ph.D., Professor and Interim Chair

Areas of Specialization

A. Communication Systems

Core Courses - 15 hours from courses listed below:

- EECE 5010 - Information Theory (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- EECE 5220 - Modern Signal Processing (3) **CIP:**
- EECE 5230 - Digital Image-Processing (3) **CIP:**
- CISE 5210 - Probability, Statistics and Risk Analysis (3) **CIP:**

Electives with the consent of the advisor - 6 hours

B. Control Systems

Core Courses - 15 hours from courses listed below:

- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 5200 - Modeling and Simulation of Dynamic Systems (3) **CIP:**
- CISE 5300 - Fundamentals of Robotics (3) **CIP:**
- EECE 5640 - Advanced Topics in Control Systems (3) **CIP:**

Electives with the consent of the advisor - 6 hours

C. Electrical Power Systems

Core Courses - 15 hours from courses listed below:

- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- EECE 5300 - Computer Applications to Power Systems (3) **CIP:**
- EECE 5310 - Power System Relaying (3) **CIP:**
- EECE 5320 - Surge Phenomena in Power Engineering (3) **CIP:**
- EECE 5330 - Special Topics in Power Engineering (3) **CIP:**
- CISE 5210 - Probability, Statistics and Risk Analysis (3) **CIP:**

Electives with the consent of the advisor - 6 hours

Engineering, Environmental Engineering Concentration, M.E.

Engineering Major

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

The Master of Engineering degree requires

1. admission of all degree seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University;
2. a minimum of thirty-three (33) graduate semester hours of coursework, including at least six (6) credit hours of mathematics, three (3) credit hours of laboratory based courses, three (3) credit hours of special problems in engineering applications (design project), and six (6) credit hours of electives with the consent of the advisor.

Substitution within the core courses may be permitted with the consent of the advisor and the department head.

Admission Requirements

For unconditional admission to the Master of Engineering degree program, the student must have a bachelor's degree in engineering or science from an accredited program and must have the necessary prerequisite courses. If the evaluation of a student's undergraduate degree program reveals prerequisite deficiencies, the student must eliminate them by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved. None of the

courses used to eliminate undergraduate deficiencies may be used in the student's program of study for the Master of Engineering degree.

For admission with unconditional classification, in addition to the above, the student must possess a grade point average (GPA) of 3.00 on a 4.00 scale.

For admission with conditional classification, in addition to the above, the student must have a GPA between 2.75 and 2.99 or a GPA between 2.50 and 2.74 and a passing score of 70 on the Fundamental of Engineering (FE) examination.

All students applying for admission must submit to the Graduate School a completed Graduate Application form and two copies of transcripts from all colleges and universities previously attended.

Program of Study

Courses Required, All Options - 12 hours

- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:** *
- or
- BMEN 5000 (3) *
- or
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP:** *
- or
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) *
- or
- CVEN 5050 - Transportation Modeling (3) **CIP:** *

- ENGR 5500 - Special Problems (3) **CIP:**

Note: *According to Concentration

Either of the following three-hour courses

- ENGR 5150 - Numerical Methods in Engineering (3) **CIP:**
- ENGR 5020 - Optimization Methods for Engineers (3)

Concentration III: Environmental Engineering

Farouk Mishu, Ph.D., P.E., Interim Chair and Professor

Core Courses - 15 hours listed below:

- CVEN 5280 - Solid Waste Management (3) **CIP:**
- CVEN 5300 - Environmental Engineering Processes I (3) **CIP:**
- CVEN 5370 - Environmental Chemistry (3) **CIP:**
- CVEN 5290 - Air Pollution Control (3) **CIP:**
- CVEN 5320 - Environmental Engineering Design (3) **CIP:**

Electives with the consent of the advisor - 6 hours

- CVEN 5270 - Groundwater Contamination (3) **CIP:**
- CVEN 5330 - Water Quality Management (3) **CIP:**
- CVEN 5350 - Hazardous Waste Management (3) **CIP:**
- CVEN 5380 - Environmental Impact Analysis (3) **CIP:**

Engineering, Manufacturing Engineering Concentration, M.E.

Engineering Major

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

The Master of Engineering degree requires

1. admission of all degree seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University;
2. a minimum of thirty-three (33) graduate semester hours of coursework, including at least six (6) credit hours of mathematics, three (3) credit hours of laboratory based courses, three (3) credit hours of special problems in engineering applications (design project), and six (6) credit hours of electives with the consent of the advisor.

Substitution within the core courses may be permitted with the consent of the advisor and the department head.

Admission Requirements

For unconditional admission to the Master of Engineering degree program, the student must have a bachelor's degree in engineering or science from an accredited program and must have the necessary prerequisite courses. If the evaluation of a student's undergraduate degree program reveals prerequisite deficiencies, the student must eliminate them by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved. None of the courses used to eliminate undergraduate deficiencies may be used in the student's program of study for the Master of Engineering degree.

For admission with unconditional classification, in addition to the above, the student must possess a grade point average (GPA) of 3.00 on a 4.00 scale.

For admission with conditional classification, in addition to the above, the student must have a GPA between 2.75 and 2.99 or a GPA between 2.50 and 2.74 and a passing score of 70 on the Fundamental of Engineering (FE) examination.

All students applying for admission must submit to the Graduate School a completed Graduate Application form and two copies of transcripts from all colleges and universities previously attended.

Program of Study

Courses Required, All Options - 12 hours

- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:** *
- or
- BMEN 5000 (3) *
- or
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP:** *
- or
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) *
- or
- CVEN 5050 - Transportation Modeling (3) **CIP:** *
- ENGR 5500 - Special Problems (3) **CIP:**

Note: *According to Concentration

Either of the following three-hour courses

- ENGR 5150 - Numerical Methods in Engineering (3) **CIP:**
- ENGR 5020 - Optimization Methods for Engineers (3)

Concentration VI: Manufacturing Engineering

Hamid Hamidzadeh, Ph.D., Professor and Chair

Core Courses - 15 hours from courses listed below:

- MEEN 5010 - Introduction to Manufacturing (3) **CIP:**
- MEEN 5130 - Flexible Manufacturing Systems (3) **CIP:**
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP:**
- MEEN 5620 - Design for Manufacturability (3) **CIP:**

- MEEN 5630 - Manufacturing Management and Control (3) **CIP:**
- MEEN 5640 - Manufacturing Modeling and Simulation (3) **CIP:**
- MEEN 5650 - Predictive and Preventive Maintenance (3) **CIP:**
- MEEN 5660 - Concurrent Manufacturing (3) **CIP:**
- ENGR 5200 - Modeling and Simulation of Dynamic Systems (3) **CIP:**
- MGMT 6060 - Operations Management (3) **CIP:**

Electives with the consent of the advisor - 6 hours

Engineering, Mechanical Engineering Concentration, M.E.

Engineering Major

The College of Engineering offers work leading to the Master of Engineering (M.E.) degree with six concentrations: Biomedical Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Manufacturing Engineering.

The Master of Engineering degree requires

1. admission of all degree seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University;
2. a minimum of thirty-three (33) graduate semester hours of coursework, including at least six (6) credit hours of mathematics, three (3) credit hours of laboratory based courses, three (3) credit hours of special problems in engineering applications (design project), and six (6) credit hours of electives with the consent of the advisor.

Substitution within the core courses may be permitted with the consent of the advisor and the department head.

Admission Requirements

For unconditional admission to the Master of Engineering degree program, the student must have a bachelor's degree in engineering or science from an accredited program and must have the necessary prerequisite courses. If the evaluation of a student's undergraduate degree program reveals prerequisite deficiencies, the student must eliminate them by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved. None of the courses used to eliminate undergraduate deficiencies may be used in the student's program of study for the Master of Engineering degree.

For admission with unconditional classification, in addition to the above, the student must possess a grade point average (GPA) of 3.00 on a 4.00 scale.

For admission with conditional classification, in addition to the above, the student must have a GPA between 2.75 and 2.99 or a GPA between 2.50 and 2.74 and a passing score of 70 on the Fundamental of Engineering (FE) examination.

All students applying for admission must submit to the Graduate School a completed Graduate Application form and two copies of transcripts from all colleges and universities previously attended.

Program of Study

Courses Required, All Options - 12 hours

- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:** *
- or
- BMEN 5000 (3) *
- or
- CVEN 5360 - Environmental Engineering Laboratory (3) **CIP:** *
- or
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) **CIP:** *
- or
- CVEN 5780 - Finite Element Analysis (3) *
- or
- CVEN 5050 - Transportation Modeling (3) **CIP:** *
- ENGR 5500 - Special Problems (3) **CIP:**

Note: *According to Concentration

Either of the following three-hour courses

- ENGR 5150 - Numerical Methods in Engineering (3) **CIP:**
- ENGR 5020 - Optimization Methods for Engineers (3)

Concentration V: Mechanical Engineering

Hamid Hamidzadeh, Ph.D., Professor and Chair

Areas of Specialization

A. Thermal Sciences

Core Courses - 15 hours from courses listed below:

- MEEN 5020 - Optimization Methods for Engineering Design (3) **CIP:**
- MEEN 5030 - Artificial Neural Networks (3) **CIP:**
- MEEN 5050 - Energy Conservation Systems (3) **CIP:**
- MEEN 5310 - Dynamics and Thermodynamics of Compressible Fluid Flow (3) **CIP:**
- MEEN 5400 - Conduction and Radiation Heat Transfer (3) **CIP:**
- MEEN 5410 - Convection Heat Transfer (3) **CIP:**
- MEEN 5420 - Advanced Thermodynamics (3) **CIP:**
- MEEN 5780 - Finite Element Analysis (3) **CIP:**

- MEEN 5820 - Principles of Design (3) **CIP:**
- ENGR 5200 - Modeling and Simulation of Dynamic Systems (3) **CIP:**

Electives with the consent of the advisor - 6 hours

B. Machine Design

Core Courses - 15 hours from courses listed below:

- MEEN 5020 - Optimization Methods for Engineering Design (3) **CIP:**
- MEEN 5030 - Artificial Neural Networks (3) **CIP:**
- MEEN 5040 - Vibrations Analysis (3) **CIP:**
- MEEN 5100 - Theory of Elasticity and Applications (3) **CIP:**
- MEEN 5110 - Theory of Plasticity and Application (3) **CIP:**
- MEEN 5120 - Manufacturing Tribology (3)
- MEEN 5200 - Advanced Dynamics (3) **CIP:**
- MEEN 5320 - Lubrication (3)
- MEEN 5780 - Finite Element Analysis (3) **CIP:**
- MEEN 5820 - Principles of Design (3) **CIP:**
- ENGR 5200 - Modeling and Simulation of Dynamic Systems (3) **CIP:**

Electives with the consent of the advisor - 6 hours

Master of Science

Computer and Information Systems Engineering (CISE), Non-Thesis Option, M.S.

Computer and Information Systems Engineering Major

The Master of Science degree program in Computer, Information and Systems Engineering is designed to meet the needs of information industry by preparing its graduates with background in computer hardware, computer software and systems approach to the design and development of computer integrated systems.

The Master of Science degree requires: admission of all degree seeking students to candidacy for the degree after completion of all prerequisites identified at the time of initial admission and the completion of nine (9) required graduate credit hours in residence at the university; a minimum of thirty (30) graduate semester hours of course work, including at least eighteen (18) credit hours of required core courses, six (6) credit hours of thesis, and six (6) credit hours of electives to be chosen from a list of courses and with the consent of the advisor and the approval of the department head.

Substitution within the core courses may be permitted with the consent of the advisor and approval of the department head.

Admission Requirements

The program provides opportunities for students from electrical or other engineering fields, computer science, and business majors to pursue this degree through different levels of admission status.

For admission to the M.S. in CISE program, the student must have B. S. degree in Electrical Engineering, or other engineering disciplines or Computer Science from an accredited program.

For unconditional admission, the student must also have the necessary prerequisite courses and a cumulative grade point average (GPA) of 3.00 or above out of 4.00.

Conditional Admission: Since this is an interdisciplinary program, student's previous preparation in the basic and engineering sciences, electrical engineering and computer science must reflect successful completion of basic sciences and differential equations, numerical analysis, linear algebra, probability and statistics, engineering design and engineering economics, circuit theory, analog and digital electronics, communication theory, advanced programming, data structures and operating systems, computer networks or their equivalents. If an evaluation of the student's transcripts shows prerequisite deficiencies or a cumulative GPA between 2.75 to 3.0, the student will be eligible for conditional admission. Students with a B. S. degree in Business or other related science areas with a cumulative GPA of 3.00 or above will be eligible for conditional admission. Also, students with a B.S. degree in engineering with a cumulative GPA between 2.50 to 2.74 and a passing score of 70 in Fundamentals of Engineering will be eligible for conditional admission. Students with exceptional experience in this field will be considered on an individual basis.

Admission to Candidacy

The university policy for admission to candidacy will be followed. However, students admitted conditionally must remove all deficiencies with a cumulative GPA of 3.25 in undergraduate prerequisite courses and accumulate no more than 9 graduate credits before achieving unconditional status.

Program of Study- Non-Thesis Option

Courses Required - 21 credit hours

- CISE 5020 - Computer Architecture and Operating Systems (3) **CIP:**
- CISE 5030 - Software Systems Design (3) **CIP:**
- CISE 5040 - Systems Engineering (3) **CIP:**
- CISE 5210 - Probability, Statistics and Risk Analysis (3) **CIP:**
- CISE 5230 - Computer Communication and Network (3) **CIP:**
- CISE 5250 - Introduction to System Modeling and Simulation (3) **CIP:**
- CISE 5900 - Systems Engineering Design (3) **CIP:**

Four Electives from the list below with the consent of advisor - 12 credit hours

- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5260 - Wireless Communications, Principles and Practice (3) **CIP:**

- CISE 5300 - Fundamentals of Robotics (3) **CIP:**
- CISE 5400 - Special Topics in Cise (3) **CIP:**
- CISE 6100 - Optimization in Operations Research (3) **CIP:**
- CISE 6340 - Computer Communication and Networks II (3) **CIP:**
- CISE 6360 - Distributed Computing Theory and Design (3) **CIP:**
- CISE 7350 - Network Security and Risk Analysis (3) **CIP:**

Computer and Information Systems Engineering (CISE), Thesis Option, M.S.

Computer and Information Systems Engineering Major

The Master of Science degree program in Computer, Information and Systems Engineering is designed to meet the needs of information industry by preparing its graduates with background in computer hardware, computer software and systems approach to the design and development of computer integrated systems.

The Master of Science degree requires: admission of all degree seeking students to candidacy for the degree after completion of all prerequisites identified at the time of initial admission and the completion of nine (9) required graduate credit hours in residence at the university; a minimum of thirty (30) graduate semester hours of course work, including at least eighteen (18) credit hours of required core courses, six (6) credit hours of thesis, and six (6) credit hours of electives to be chosen from a list of courses and with the consent of the advisor and the approval of the department head.

Substitution within the core courses may be permitted with the consent of the advisor and approval of the department head.

Admission Requirements

The program provides opportunities for students from electrical or other engineering fields, computer science, and business majors to pursue this degree through different levels of admission status.

For admission to the M.S. in CISE program, the student must have B. S. degree in Electrical Engineering, or other engineering disciplines or Computer Science from an accredited program.

For unconditional admission, the student must also have the necessary prerequisite courses and a cumulative grade point average (GPA) of 3.00 or above out of 4.00.

Conditional Admission: Since this is an interdisciplinary program, student's previous preparation in the basic and engineering sciences, electrical engineering and computer science must reflect successful completion of basic sciences and differential equations, numerical analysis, linear algebra, probability and statistics, engineering design and engineering economics, circuit theory, analog and digital electronics, communication theory, advanced programming, data structures and operating systems, computer networks or their equivalents. If an evaluation of the student's transcripts shows prerequisite deficiencies or a cumulative GPA between 2.75 to 3.0, the student will be eligible for conditional admission. Students with a B. S. degree in Business or other related science areas with a cumulative GPA of 3.00 or above will be eligible for conditional admission. Also, students with a B.S. degree in engineering with a cumulative GPA between 2.50 to 2.74 and a passing score of 70 in Fundamentals of Engineering will be eligible for

conditional admission. Students with exceptional experience in this field will be considered on an individual basis.

Admission to Candidacy

The university policy for admission to candidacy will be followed. However, students admitted conditionally must remove all deficiencies with a cumulative GPA of 3.25 in undergraduate prerequisite courses and accumulate no more than 9 graduate credits before achieving unconditional status.

Program of Study - Thesis Option

Courses Required - 24 credit hours

- CISE 5020 - Computer Architecture and Operating Systems (3) **CIP:**
- CISE 5030 - Software Systems Design (3) **CIP:**
- CISE 5040 - Systems Engineering (3) **CIP:**
- CISE 5210 - Probability, Statistics and Risk Analysis (3) **CIP:**
- CISE 5230 - Computer Communication and Network (3) **CIP:**
- CISE 5250 - Introduction to System Modeling and Simulation (3) **CIP:**
- CISE 5905 - Master of Science Thesis I (3) **CIP:**
- CISE 5906 - Master of Science Thesis II (3) **CIP:**

Two Electives from the list below with the consent of advisor - 6 credit hours

- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5260 - Wireless Communications, Principles and Practice (3) **CIP:**
- CISE 5300 - Fundamentals of Robotics (3) **CIP:**
- CISE 5400 - Special Topics in Cise (3) **CIP:**
- CISE 6100 - Optimization in Operations Research (3) **CIP:**
- CISE 6340 - Computer Communication and Networks II (3) **CIP:**
- CISE 6360 - Distributed Computing Theory and Design (3) **CIP:**
- CISE 7350 - Network Security and Risk Analysis (3) **CIP:**

Computer Science, Cyber-Security & Networking Concentration, M.S.

Computer Science Major

Ali Sekmen, Ph.D., Chair

Tamara Rogers, Ph.D., Coordinator

The Department of Computer Science offers a Master of Science degree in Computer Science. The M.S. in Computer Science program provides recent college graduates, or college graduates who have had several years of professional life, an opportunity to enhance their careers and work on cutting-edge areas of computer science. The program offers two concentrations: (1) high-performance computing and bioinformatics, and (2) cyber-security and networking.

The M.S. in Computer Science offers non-thesis and thesis options. All students are required to complete a total of 33 credit hours that include 9 credit hours of major core courses, 12 credit hours of concentration core courses, 6 credit hours of electives, and 6 credits hours of design-based courses (for non-thesis option) or 6 credit hours of thesis (for thesis option).

Substitution within the core courses may be permitted with the consent of the advisor and approval of the department chair.

Admission Requirements

All students desiring to enroll for graduate study must apply through EngineeringCAS. To be admitted to the program, students should demonstrate readiness to succeed in the graduate program. To do this, students should meet the following criteria:

1. Applicants must have an academic background that covers certain prerequisite knowledge in mathematics, software systems and computer programming, data structures, computer architectures, and computer networks. Student transcript should present evidence of the following courses with a grade of "C" or better:
 - a. **Mathematical background:** 8 credit hours of calculus and 3 credit hours of linear algebra.
 - b. **Completion of undergraduate computer science prerequisites courses (or their equivalents):** COMP 2240 (Computer Programming II), COMP 2400 (Computer Organization), COMP3040 (Data Structures), COMP 3310 (Data Communications and Computer Networks), and COMP 4100 (Operating Systems).
1. The applicant must have a Bachelor's degree in Computer Science or a related area with a minimum cumulative grade point average (GPA) of 2.75 on a 4.0 scale.
2. The applicant must submit two letters of recommendation.

The application materials of each applicant will be evaluated by a committee, which may recommend some prerequisite undergraduate courses for the applicants under conditional admission. The applicant will have a conditional classification until the completion of the recommended course or courses. If admitted the applicant must correct the deficiency within the first two semesters.

An applicant whose Bachelor's degree is not in Computer Science or a related area and who has exceptional experience in Computer Science may also be considered for conditional admission on an individual basis. Such applicants must have a minimum GPA of 2.75 and provide a written technical summary for evaluation of their technical experience. This summary should emphasize the applicant's experience with software systems and methodology, computer organization and architecture, and theory and mathematical background.

Conditional admission: Applicants admitted in this category will not be allowed to take more than 6 credits hours of graduate courses in the program until successful completion of the prerequisite courses with grade C or above.

Non-Thesis and Thesis Options

The proposed program requires completion of either a 6-credit hour thesis, for the thesis option, or 6 credit hours of design-based courses, for the non-thesis option. For the thesis option, a thesis

manuscript and an oral presentation are required to document the student's research activity. A thesis committee will supervise the student's thesis work. The committee will consist of 3 faculty members, including the thesis chair. At least 2 of the committee members must be computer science graduate faculty. The chair must be a computer science faculty with graduate faculty credentials. For the non-thesis option, 6 credit hours of design-based courses are required. These courses will be selected from an approved list with the advisement of the student's advisor. These courses have a strong project/design component.

Retention Requirements

The following is a list of the retention requirements:

1. Students are required to maintain a cumulative GPA of 3.00 throughout the program. After completion of nine semester hours of graduate work, if the student's cumulative GPA at the end of the given semester falls below 3.00, the student will be placed on probation. A student who fails to attain a cumulative GPA of 3.00 during the next semester enrolled will be suspended.
2. Students must have a grade of B or better in all core courses and may not have more than two C grades in other courses used to meet degree requirements.
3. Students who have repeated a core course and failed to achieve a grade B or higher will be dismissed from the program.
4. The maximum time allowed for completion of the master's degree is six calendar years. All requirements for the M.S. in CS degree must be completed within the six-year period beginning with the student's first term of enrollment in a graduate course.
5. Students dismissed from the program will not be readmitted.

Graduation Requirements

The M.S. in Computer Science program has two tracks: (a) a non-thesis program that requires 33 hours of coursework or (b) the thesis program that requires completion 27 hours of coursework and a thesis. The thesis option is strongly recommended for the students who intend to pursue a doctoral degree. The Master of Science degree in Computer Science will require the following:

1. Admission of all degree-seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University. The student must file an *Admission to Candidacy* form with the Graduate School prior to the semester in which graduation is desired.
2. A minimum of 33 credit hours of graduate work, including 18 credit hours of required graduate core courses, with the following conditions for the Non-Thesis Option and Thesis Option:

Non-thesis Option:

The student must complete 33 credit hours of graduate computer science coursework.

Thesis Option:

The student must complete 27 credit hours of graduate computer science coursework and 6 credit hours of thesis work. A thesis is documented by a report and an oral presentation is required. A thesis committee will supervise the student's thesis work. The committee will consist of 3 faculty

members including the thesis chair. At least 2 of the committee members must be computer science graduate faculty. The chair must be computer science faculty.

Program of Study - Thesis Option

Courses Required - 27 credit hours

- COMP 5100 - Software Engineering (3) **CIP:**
- COMP 5200 - Advanced Algorithms Design and Analysis (3) **CIP:**
- COMP 5300 - Advanced Computer Architectures (3) **CIP:**
- COMP 5700 - Fundamentals of Computer Networks (3) **CIP:**
- COMP 5720 - Cryptography and Computer Security (3) **CIP:**
- COMP 5750 - Computer Network Management and Security (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**
- COMP 5910 - Master of Science Thesis I (3) **CIP:** *
- COMP 5920 - Master of Science Thesis II (3) **CIP:** *

Note: *Requires completion of a 2-semester long thesis work in cyber-security and networking.

Two Electives from the list below with the consent of advisor - 6 credit hours

- COMP 5400 - Hybrid and Relational Databases (3) **CIP:**
- COMP 5440 - Mobile Robotics (3) **CIP:**
- COMP 5520 - Introduction to High Performance Computing (3) **CIP:**
- COMP 5600 - Mobile Applications Development (3) **CIP:**
- COMP 5800 - Introduction to Bioinformatics (3) **CIP:**
- COMP 5900 - Special Topics (3) **CIP:**
- COMP 6100 - Bioinformatics and Computational Biology (3) **CIP:**
- COMP 6200 - Machine Learning (3) **CIP:**
- COMP 6280 - Advanced Web Applications Development (3) **CIP:**
- COMP 6300 - Advanced Software Engineering (3) **CIP:**
- COMP 6800 - Introduction to Computer Vision (3) **CIP:**
- COMP 6900 - Embedded Systems Programming (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 6150 - Advanced Software Architectures (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**

Program of Study- Non-Thesis Option

Courses Required - 21 credit hours

- COMP 5100 - Software Engineering (3) **CIP:**
- COMP 5200 - Advanced Algorithms Design and Analysis (3) **CIP:**
- COMP 5300 - Advanced Computer Architectures (3) **CIP:**
- COMP 5700 - Fundamentals of Computer Networks (3) **CIP:**
- COMP 5720 - Cryptography and Computer Security (3) **CIP:**
- COMP 5750 - Computer Network Management and Security (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**

Two Electives from the list below with the consent of advisor - 6 credit hours

- COMP 5400 - Hybrid and Relational Databases (3) **CIP:**
- COMP 5440 - Mobile Robotics (3) **CIP:**
- COMP 5520 - Introduction to High Performance Computing (3) **CIP:**
- COMP 5600 - Mobile Applications Development (3) **CIP:**
- COMP 5800 - Introduction to Bioinformatics (3) **CIP:**
- COMP 5900 - Special Topics (3) **CIP:**
- COMP 6100 - Bioinformatics and Computational Biology (3) **CIP:**
- COMP 6200 - Machine Learning (3) **CIP:**
- COMP 6280 - Advanced Web Applications Development (3) **CIP:**
- COMP 6300 - Advanced Software Engineering (3) **CIP:**
- COMP 6800 - Introduction to Computer Vision (3) **CIP:**
- COMP 6900 - Embedded Systems Programming (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 6150 - Advanced Software Architectures (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**

Two Design-Based Courses from the list below with the consent of advisor - 6 credit hours**

- COMP 5400 - Hybrid and Relational Databases (3) **CIP:**
- COMP 5440 - Mobile Robotics (3) **CIP:**
- COMP 5600 - Mobile Applications Development (3) **CIP:**
- COMP 6200 - Machine Learning (3) **CIP:**

- COMP 6280 - Advanced Web Applications Development (3) **CIP:**
- COMP 6300 - Advanced Software Engineering (3) **CIP:**
- COMP 6900 - Embedded Systems Programming (3) **CIP:**
- ENGR 6150 - Advanced Software Architectures (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**

Note: **Course other than this list can still be taken with the approval of advisor and department chair.

Computer Science, High-Performance Computing & Bioinformatics Concentration, M.S.

Computer Science Major

Ali Sekmen, Ph.D., Chair

Tamara Rogers, Ph.D., Coordinator

The Department of Computer Science offers a Master of Science degree in Computer Science. The M.S. in Computer Science program provides recent college graduates, or college graduates who have had several years of professional life, an opportunity to enhance their careers and work on cutting-edge areas of computer science. The program offers two concentrations: (1) high-performance computing and bioinformatics, and (2) cyber-security and networking.

The M.S. in Computer Science offers non-thesis and thesis options. All students are required to complete a total of 33 credit hours that include 9 credit hours of major core courses, 12 credit hours of concentration core courses, 6 credit hours of electives, and 6 credits hours of design-based courses (for non-thesis option) or 6 credit hours of thesis (for thesis option).

Substitution within the core courses may be permitted with the consent of the advisor and approval of the department chair.

Admission Requirements

All students desiring to enroll for graduate study must apply through EngineeringCAS. To be admitted to the program, students should demonstrate readiness to succeed in the graduate program. To do this, students should meet the following criteria:

1. Applicants must have an academic background that covers certain prerequisite knowledge in mathematics, software systems and computer programming, data structures, computer architectures, and computer networks. Student transcript should present evidence of the following courses with a grade of "C" or better:
 - a. **Mathematical background:** 8 credit hours of calculus and 3 credit hours of linear algebra.
 - b. **Completion of undergraduate computer science prerequisites courses (or their equivalents):** COMP 2240 (Computer Programming II), COMP 2400 (Computer Organization), COMP3040 (Data Structures), COMP 3310 (Data Communications and Computer Networks), and COMP 4100 (Operating Systems).

1. The applicant must have a Bachelor's degree in Computer Science or a related area with a minimum cumulative grade point average (GPA) of 2.75 on a 4.0 scale.
2. The applicant must submit two letters of recommendation.

The application materials of each applicant will be evaluated by a committee, which may recommend some prerequisite undergraduate courses for the applicants under conditional admission. The applicant will have a conditional classification until the completion of the recommended course or courses. If admitted the applicant must correct the deficiency within the first two semesters.

An applicant whose Bachelor's degree is not in Computer Science or a related area and who has exceptional experience in Computer Science may also be considered for conditional admission on an individual basis. Such applicants must have a minimum GPA of 2.75 and provide a written technical summary for evaluation of their technical experience. This summary should emphasize the applicant's experience with software systems and methodology, computer organization and architecture, and theory and mathematical background.

Conditional admission: Applicants admitted in this category will not be allowed to take more than 6 credits hours of graduate courses in the program until successful completion of the prerequisite courses with grade C or above.

Non-Thesis and Thesis Options

The proposed program requires completion of either a 6-credit hour thesis, for the thesis option, or 6 credit hours of design-based courses, for the non-thesis option. For the thesis option, a thesis manuscript and an oral presentation are required to document the student's research activity. A thesis committee will supervise the student's thesis work. The committee will consist of 3 faculty members, including the thesis chair. At least 2 of the committee members must be computer science graduate faculty. The chair must be a computer science faculty with graduate faculty credentials. For the non-thesis option, 6 credit hours of design-based courses are required. These courses will be selected from an approved list with the advisement of the student's advisor. These courses have a strong project/design component.

Retention Requirements

The following is a list of the retention requirements:

1. Students are required to maintain a cumulative GPA of 3.00 throughout the program. After completion of nine semester hours of graduate work, if the student's cumulative GPA at the end of the given semester falls below 3.00, the student will be placed on probation. A student who fails to attain a cumulative GPA of 3.00 during the next semester enrolled will be suspended.
2. Students must have a grade of B or better in all core courses and may not have more than two C grades in other courses used to meet degree requirements.
3. Students who have repeated a core course and failed to achieve a grade B or higher will be dismissed from the program.
4. The maximum time allowed for completion of the master's degree is six calendar years. All requirements for the M.S. in CS degree must be completed within the six-year period beginning with the student's first term of enrollment in a graduate course.

5. Students dismissed from the program will not be readmitted.

Graduation Requirements

The M.S. in Computer Science program has two tracks: (a) a non-thesis program that requires 33 hours of coursework or (b) the thesis program that requires completion 27 hours of coursework and a thesis. The thesis option is strongly recommended for the students who intend to pursue a doctoral degree. The Master of Science degree in Computer Science will require the following:

1. Admission of all degree-seeking students to candidacy for the degree after the completion of nine (9) graduate credit hours in residence at the University. The student must file an *Admission to Candidacy* form with the Graduate School prior to the semester in which graduation is desired.
2. A minimum of 33 credit hours of graduate work, including 18 credit hours of required graduate core courses, with the following conditions for the Non-Thesis Option and Thesis Option:

Non-thesis Option:

The student must complete 33 credit hours of graduate computer science coursework.

Thesis Option:

The student must complete 27 credit hours of graduate computer science coursework and 6 credit hours of thesis work. A thesis is documented by a report and an oral presentation is required. A thesis committee will supervise the student's thesis work. The committee will consist of 3 faculty members including the thesis chair. At least 2 of the committee members must be computer science graduate faculty. The chair must be computer science faculty.

Program of Study - Thesis Option

Courses Required - 27 credit hours

- COMP 5100 - Software Engineering (3) **CIP:**
- COMP 5200 - Advanced Algorithms Design and Analysis (3) **CIP:**
- COMP 5300 - Advanced Computer Architectures (3) **CIP:**
- COMP 5520 - Introduction to High Performance Computing (3) **CIP:**
- COMP 5800 - Introduction to Bioinformatics (3) **CIP:**
- COMP 6100 - Bioinformatics and Computational Biology (3) **CIP:**
- CISE 6360 - Distributed Computing Theory and Design (3) **CIP:**
- COMP 5910 - Master of Science Thesis I (3) **CIP: ***
- COMP 5920 - Master of Science Thesis II (3) **CIP: ***

Note: *Requires completion of a 2-semester long thesis work in high-performance computing and bioinformatics.

Two Electives from the list below with the consent of advisor - 6 credit hours

- COMP 5400 - Hybrid and Relational Databases (3) **CIP:**

- COMP 5700 - Fundamentals of Computer Networks (3) **CIP:**
- COMP 5720 - Cryptography and Computer Security (3) **CIP:**
- COMP 5750 - Computer Network Management and Security (3) **CIP:**
- COMP 5440 - Mobile Robotics (3) **CIP:**
- COMP 5600 - Mobile Applications Development (3) **CIP:**
- COMP 5900 - Special Topics (3) **CIP:**
- COMP 6200 - Machine Learning (3) **CIP:**
- COMP 6280 - Advanced Web Applications Development (3) **CIP:**
- COMP 6300 - Advanced Software Engineering (3) **CIP:**
- COMP 6800 - Introduction to Computer Vision (3) **CIP:**
- COMP 6900 - Embedded Systems Programming (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 6150 - Advanced Software Architectures (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**

Program of Study- Non-Thesis Option

Courses Required - 21 credit hours

- COMP 5100 - Software Engineering (3) **CIP:**
- COMP 5200 - Advanced Algorithms Design and Analysis (3) **CIP:**
- COMP 5300 - Advanced Computer Architectures (3) **CIP:**
- COMP 5520 - Introduction to High Performance Computing (3) **CIP:**
- COMP 5800 - Introduction to Bioinformatics (3) **CIP:**
- COMP 6100 - Bioinformatics and Computational Biology (3) **CIP:**
- CISE 6360 - Distributed Computing Theory and Design (3) **CIP:**

Two Electives Courses from the list below with the consent of advisor - 6 credit hours

- COMP 5400 - Hybrid and Relational Databases (3) **CIP:**
- COMP 5700 - Fundamentals of Computer Networks (3) **CIP:**
- COMP 5720 - Cryptography and Computer Security (3) **CIP:**
- COMP 5750 - Computer Network Management and Security (3) **CIP:**
- COMP 5440 - Mobile Robotics (3) **CIP:**
- COMP 5600 - Mobile Applications Development (3) **CIP:**

- COMP 5900 - Special Topics (3) **CIP:**
- COMP 6200 - Machine Learning (3) **CIP:**
- COMP 6280 - Advanced Web Applications Development (3) **CIP:**
- COMP 6300 - Advanced Software Engineering (3) **CIP:**
- COMP 6800 - Introduction to Computer Vision (3) **CIP:**
- COMP 6900 - Embedded Systems Programming (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 6150 - Advanced Software Architectures (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**

Two Design-Based Courses from the list below with the consent of advisor - 6 credit hours**

- ENGR 6150 - Advanced Software Architectures (3) **CIP:**
- COMP 6200 - Machine Learning (3) **CIP:**
- COMP 6280 - Advanced Web Applications Development (3) **CIP:**
- COMP 6300 - Advanced Software Engineering (3) **CIP:**
- COMP 6900 - Embedded Systems Programming (3) **CIP:**
- COMP 5400 - Hybrid and Relational Databases (3) **CIP:**
- COMP 5440 - Mobile Robotics (3) **CIP:**
- COMP 5600 - Mobile Applications Development (3) **CIP:**
- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**

Note: **Course other than this list can still be taken with the approval of advisor and department chair.

Doctor of Philosophy

Computer and Information Systems Engineering (CISE), Computer Communication and Networks Concentration, Ph.D.

Computer and Information Systems Engineering Major

Frances R. Williams, Associate Dean, Coordinator

The Doctor of Philosophy (Ph.D.) program in Computer and Information Systems Engineering (CISE) is a unique interdisciplinary program. It integrates the strengths of various disciplines of computer science, computer engineering, electrical engineering, mechanical / manufacturing

engineering, information systems, and systems engineering. The program further provides advanced knowledge and research experiences in the following concentration areas;

Computer Communication and Networks

Control System and Signal Processing

Robotics and Computer Integrated Manufacturing

Goals

1. The primary goal of the Ph.D. program in Computer and Information Systems Engineering at Tennessee State University is to prepare its graduates with expertise in systems engineering approach to the development of computer-based information and manufacturing systems.
2. To offer an outstanding and unique interdisciplinary Ph.D. degree program that is research-based and builds upon the educational and research expertise of existing faculty in the three concentrations and related areas.
3. To address the critical shortage of teaching and research faculty in the areas of computer communication and networks, control system and signal processing, and robotics and computer integrated manufacturing.

Admission Procedure

All students applying for admission must submit and complete the application in EngineeringCAS. Transcripts from all colleges and universities previously attended, and three letters of recommendation should be submitted to EngineeringCAS.

Admission Requirements

For admission to the Ph.D. in CISE program, the student must have a:

1. A Bachelor of Science degree in Engineering or Computer science from an accredited program or a Master of Science in CISE, Computer Science, or in a closely related area or a Master of Engineering.
2. A student with a B.S. degree and/or Master's degree(s) from foreign universities must submit a Certificate of Proficiency in English or a minimum score of 550 or equivalent on the Test of English as a Foreign Language (TOEFL).
3. In addition to the above, the student must have a cumulative grade point average (GPA) of 3.00 or above on a 4.00 scale for a B.S. degree graduate while a Master of Engineering or a Master of Science in CISE, Computer Science, or a closely related area graduate must have a 3.30 grade point average on a 4.00 scale. In addition, the student must have above average grades in all of the prerequisite courses in related mathematics, engineering science, communication systems, computer hardware, and computer science courses. If an evaluation of a student's transcripts reveals course or prerequisite deficiencies, the student must eliminate all deficiencies by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved and before completing nine (9) graduate credit hours. A student must file a letter of intent to pursue the Ph.D. degree to the Coordinator of the Ph. D. program after receiving unconditional status. None of the courses used to eliminate undergraduate deficiencies will be used to meet degree requirements.

Transfer Credits

Transfer students with Masters degrees and beyond may transfer up to a maximum of 24 credit hours of equivalent courses towards required and/or elective courses.

Major Advisor

Initially, the Coordinator of the Ph.D. program will serve as an academic advisor for all new students entering the program. Each student in the Ph.D. program is expected to select a major advisor by the beginning of the second year. All major advisors must hold tenure or tenure-track full-time graduate faculty positions.

Ph.D. Advisory Committee

A Ph.D. Advisory Committee will consist of four (4) graduate faculty from the student's program with the major advisor as its chairperson. The Ph.D. Advisory Committee will be recommended by the major advisor, with input from the student, to the Coordinator of the Ph.D. program, for approval by the Dean of the College of Engineering and the Dean of Graduate Studies. Upon the student's completion of core courses and selection of a concentration, this Ph.D. Advisory Committee will review the student's prior transcripts, evaluate and recommend any transfer credits, and prepare a program of study for approval by the Coordinator of the Ph.D. program and the Dean of College of Engineering before submission to the Dean of Graduate Studies. The Committee will supervise the student's program, administer dissertation review and approval, and finally recommend the awarding of the degree.

Retention

Students must maintain a cumulative grade point average (GPA) of 3.00 or better on the scale of 4.00, and pass all pass/fail courses throughout the program to remain in good academic standing.

Students must have a grade of B or better in all core courses and may not have more than two C grades in other courses used to meet degree requirements. After completion of nine (9) semester hours of graduate work, if the student's cumulative GPA at the end of a given semester falls below 3.00, the student will be placed on academic probation for the next semester and must satisfy the existing University requirements to return to good academic standing. Students may be dismissed from the program upon recommendation of the Ph.D. Advisory Committee for continued probation beyond two consecutive semesters.

Comprehensive Written Examination

This is a written examination designed to evaluate the student's readiness to advance to candidacy status. It is scheduled after the student has met all of the core courses and major area required and elective course requirements specified in the student's program of study and upon the recommendation of the student's major advisor. The comprehensive examination committee will develop the written examination. This is an ad hoc committee consisting of at least three (3) graduate faculty in the program and is appointed by the Coordinator of the Ph.D. program in CISE, upon the recommendation of the major advisor. This committee will determine the passing performance and inform the student, the Coordinator, and the student's major advisor of the final outcome of the examination. The comprehensive written examination will consist of questions from the core, the student's area of study and the knowledge considered essential background for the dissertation research.

Students who pass the comprehensive written examination and meet all other requirements for candidacy for the Ph.D. degree in CISE will receive written confirmation of the status of their candidacy from the Dean of Graduate School. Students who fail the examination may take it again after at least one semester. Students who fail the examination after two attempts will be dropped from the program. Students in the Ph.D. program with good standing who do not plan to pursue the Ph.D. degree may seek to meet the M.S. in CISE, the M.S. in Computer Science, or the Master of Engineering degree requirements of the University.

Oral Defense of Dissertation Proposal

The dissertation proposal is submitted to the student's major advisor and the Ph.D. Advisory Committee for review. The committee will make recommendations as needed. The proposal must be orally defended by the candidate before the advisory committee, and it must be accepted by the committee. A signature of the committee members on the dissertation proposal constitutes approval to proceed with thesis research. Only after approval of the dissertation proposal may the student register for the CISE 790 Ph.D. Dissertation course.

Admission to Candidacy for Ph.D. Degree in CISE

Admission to candidacy for the Ph.D. degree in CISE will require compliance with all existing Graduate School policies such as;

1. Completion of all core and concentration courses approved for the student's program of study.
2. A minimum cumulative GPA of 3.0 or better,
3. Successful passing of Comprehensive Written Examination, and
4. A successful oral defense of the dissertation proposal.

Degree Requirements

The student must successfully complete the approved program of study with a minimum cumulative GPA of 3.0 or better.

1. After the approval of the dissertation proposal, the student must complete dissertation research and submit the completed dissertation to the advisory committee for approval.
2. Upon approval by the advisory committee and the Graduate School, the student must defend the research before the advisory committee and a public seminar before the faculty, students, alumni and/or industrial representatives.
3. Upon successful defense of research, presentation of the written dissertation, and approval by the Coordinator of the Ph.D. program and the Graduate School, the major advisor with the consent of the Ph.D. Advisory Committee will initiate a recommendation for awarding of the degree.

Other Requirements

Other requirements such as residency, maximum class load, transfer of credits, time limits for credits and preparation of dissertation will comply with all existing policies of the University, the College of Engineering and the Graduate School as listed in the Graduate Catalog.

Curriculum Description

This program requires a minimum of seventy-two (72) graduate semester credit hours beyond the bachelor's degree for the Ph.D. degree in CISE. Students with a master's degree in a related field may transfer up to a maximum of 24 semester credit hours of the equivalent courses for this degree. However, if a student lacks certain prerequisites or course requirements, the student may be asked to take additional courses before the required graduate courses. The program in CISE is unique and interdisciplinary because it has a core requirement that provides the necessary foundation in computer-based systems integration.

Program of Study

The curriculum consists of 51 credit hours of course work and 21 credit hours of research dissertation. The course work consists of eighteen (18) credit hours of core courses and eighteen (18) credit hours of concentration, and fifteen (15) credit hours of guided electives. All graduate students must attend graduate seminars for at least two semesters.

Required Core Courses (18 semester credit hours)

- CISE 5010 - Data Structures and Algorithms (3) **CIP:**
- CISE 5020 - Computer Architecture and Operating Systems (3) **CIP:**
- CISE 5030 - Software Systems Design (3) **CIP:**
- CISE 5040 - Systems Engineering (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 5230 - Computer Communication and Network (3) **CIP:**

Concentration and Electives (33 semester credit hours)

Suggested courses in each of the three areas of concentration to be selected by student's Ph.D. Advisory Committee and approved by the Program Coordinator and the Dean of the College of Engineering.

Computer Communication and Networks

- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5210 - Probability, Statistics and Risk Analysis (3) **CIP:**
- CISE 5240 - Management of Information Systems (3) **CIP:**
- CISE 5250 - Introduction to System Modeling and Simulation (3) **CIP:**
- CISE 6000 - Database Management Systems (3) **CIP:**
- CISE 6100 - Optimization in Operations Research (3) **CIP:**
- CISE 6340 - Computer Communication and Networks II (3) **CIP:**
- CISE 6360 - Distributed Computing Theory and Design (3) **CIP:**
- CISE 6440 - Numerical Visualization (3) **CIP:**
- CISE 7300 - Network Programming (3) **CIP:**
- CISE 7310 - Metrics and Models in Software Quality Engineering (3) **CIP:**

- CISE 7340 - High Performance Computer Applications (3) **CIP:**
- CISE 7350 - Network Security and Risk Analysis (3) **CIP:**
- CISE 7370 - Optical Communication (3) **CIP:**
- EECE 5200 - Digital Signal Processing (3)
- EECE 5230 - Digital Image-Processing (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**

Computer and Information Systems Engineering (CISE), Control System and Signal Processing Concentration, Ph.D.

Computer and Information Systems Engineering Major

Frances R. Williams, Associate Dean, Coordinator

The Doctor of Philosophy (Ph.D.) program in Computer and Information Systems Engineering (CISE) is a unique interdisciplinary program. It integrates the strengths of various disciplines of computer science, computer engineering, electrical engineering, mechanical / manufacturing engineering, information systems, and systems engineering. The program further provides advanced knowledge and research experiences in the following concentration areas;

Computer Communication and Networks

Control System and Signal Processing

Robotics and Computer Integrated Manufacturing

Goals

1. The primary goal of the Ph.D. program in Computer and Information Systems Engineering at Tennessee State University is to prepare its graduates with expertise in systems engineering approach to the development of computer-based information and manufacturing systems.
2. To offer an outstanding and unique interdisciplinary Ph.D. degree program that is research-based and builds upon the educational and research expertise of existing faculty in the three concentrations and related areas.
3. To address the critical shortage of teaching and research faculty in the areas of computer communication and networks, control system and signal processing, and robotics and computer integrated manufacturing.

Admission Procedure

All students applying for admission must submit and complete the application in EngineeringCAS. Transcripts from all colleges and universities previously attended, and three letters of recommendation should be submitted to EngineeringCAS.

Admission Requirements

For admission to the Ph.D. in CISE program, the student must have a:

1. A Bachelor of Science degree in Engineering or Computer science from an accredited program or a Master of Science in CISE, Computer Science, or in a closely related area or a Master of Engineering.

2. A student with a B.S. degree and/or Master's degree(s) from foreign universities must submit a Certificate of Proficiency in English or a minimum score of 550 or equivalent on the Test of English as a Foreign Language (TOEFL).
3. In addition to the above, the student must have a cumulative grade point average (GPA) of 3.00 or above on a 4.00 scale for a B.S. degree graduate while a Master of Engineering or a Master of Science in CISE, Computer Science, or a closely related area graduate must have a 3.30 grade point average on a 4.00 scale. In addition, the student must have above average grades in all of the prerequisite courses in related mathematics, engineering science, communication systems, computer hardware, and computer science courses. If an evaluation of a student's transcripts reveals course or prerequisite deficiencies, the student must eliminate all deficiencies by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved and before completing nine (9) graduate credit hours. A student must file a letter of intent to pursue the Ph.D. degree to the Coordinator of the Ph. D. program after receiving unconditional status. None of the courses used to eliminate undergraduate deficiencies will be used to meet degree requirements.

Transfer Credits

Transfer students with Masters degrees and beyond may transfer up to a maximum of 24 credit hours of equivalent courses towards required and/or elective courses.

Major Advisor

Initially, the Coordinator of the Ph.D. program will serve as an academic advisor for all new students entering the program. Each student in the Ph.D. program is expected to select a major advisor by the beginning of the second year. All major advisors must hold tenure or tenure-track full-time graduate faculty positions.

Ph.D. Advisory Committee

A Ph.D. Advisory Committee will consist of four (4) graduate faculty from the student's program with the major advisor as its chairperson. The Ph.D. Advisory Committee will be recommended by the major advisor, with input from the student, to the Coordinator of the Ph.D. program, for approval by the Dean of the College of Engineering and the Dean of Graduate Studies. Upon the student's completion of core courses and selection of a concentration, this Ph.D. Advisory Committee will review the student's prior transcripts, evaluate and recommend any transfer credits, and prepare a program of study for approval by the Coordinator of the Ph.D. program and the Dean of College of Engineering before submission to the Dean of Graduate Studies. The Committee will supervise the student's program, administer dissertation review and approval, and finally recommend the awarding of the degree.

Retention

Students must maintain a cumulative grade point average (GPA) of 3.00 or better on the scale of 4.00, and pass all pass/fail courses throughout the program to remain in good academic standing.

Students must have a grade of B or better in all core courses and may not have more than two C grades in other courses used to meet degree requirements. After completion of nine (9) semester hours of graduate work, if the student's cumulative GPA at the end of a given semester falls below 3.00, the student will be placed on academic probation for the next semester and must

satisfy the existing University requirements to return to good academic standing. Students may be dismissed from the program upon recommendation of the Ph.D. Advisory Committee for continued probation beyond two consecutive semesters.

Comprehensive Written Examination

This is a written examination designed to evaluate the student's readiness to advance to candidacy status. It is scheduled after the student has met all of the core courses and major area required and elective course requirements specified in the student's program of study and upon the recommendation of the student's major advisor. The comprehensive examination committee will develop the written examination. This is an ad hoc committee consisting of at least three (3) graduate faculty in the program and is appointed by the Coordinator of the Ph.D. program in CISE, upon the recommendation of the major advisor. This committee will determine the passing performance and inform the student, the Coordinator, and the student's major advisor of the final outcome of the examination. The comprehensive written examination will consist of questions from the core, the student's area of study and the knowledge considered essential background for the dissertation research.

Students who pass the comprehensive written examination and meet all other requirements for candidacy for the Ph.D. degree in CISE will receive written confirmation of the status of their candidacy from the Dean of Graduate School. Students who fail the examination may take it again after at least one semester. Students who fail the examination after two attempts will be dropped from the program. Students in the Ph.D. program with good standing who do not plan to pursue the Ph.D. degree may seek to meet the M.S. in CISE, the M.S. in Computer Science, or the Master of Engineering degree requirements of the University.

Oral Defense of Dissertation Proposal

The dissertation proposal is submitted to the student's major advisor and the Ph.D. Advisory Committee for review. The committee will make recommendations as needed. The proposal must be orally defended by the candidate before the advisory committee, and it must be accepted by the committee. A signature of the committee members on the dissertation proposal constitutes approval to proceed with thesis research. Only after approval of the dissertation proposal may the student register for the CISE 790 Ph.D. Dissertation course.

Admission to Candidacy for Ph.D. Degree in CISE

Admission to candidacy for the Ph.D. degree in CISE will require compliance with all existing Graduate School policies such as;

1. Completion of all core and concentration courses approved for the student's program of study.
2. A minimum cumulative GPA of 3.0 or better,
3. Successful passing of Comprehensive Written Examination, and
4. A successful oral defense of the dissertation proposal.

Degree Requirements

The student must successfully complete the approved program of study with a minimum cumulative GPA of 3.0 or better.

1. After the approval of the dissertation proposal, the student must complete dissertation research and submit the completed dissertation to the advisory committee for approval.
2. Upon approval by the advisory committee and the Graduate School, the student must defend the research before the advisory committee and a public seminar before the faculty, students, alumni and/or industrial representatives.
3. Upon successful defense of research, presentation of the written dissertation, and approval by the Coordinator of the Ph.D. program and the Graduate School, the major advisor with the consent of the Ph.D. Advisory Committee will initiate a recommendation for awarding of the degree.

Other Requirements

Other requirements such as residency, maximum class load, transfer of credits, time limits for credits and preparation of dissertation will comply with all existing policies of the University, the College of Engineering and the Graduate School as listed in the Graduate Catalog.

Curriculum Description

This program requires a minimum of seventy-two (72) graduate semester credit hours beyond the bachelor's degree for the Ph.D. degree in CISE. Students with a master's degree in a related field may transfer up to a maximum of 24 semester credit hours of the equivalent courses for this degree. However, if a student lacks certain prerequisites or course requirements, the student may be asked to take additional courses before the required graduate courses. The program in CISE is unique and interdisciplinary because it has a core requirement that provides the necessary foundation in computer-based systems integration.

Program of Study

The curriculum consists of 51 credit hours of course work and 21 credit hours of research dissertation. The course work consists of eighteen (18) credit hours of core courses and eighteen (18) credit hours of concentration, and fifteen (15) credit hours of guided electives. All graduate students must attend graduate seminars for at least two semesters.

Required Core Courses (18 semester credit hours)

- CISE 5010 - Data Structures and Algorithms (3) **CIP:**
- CISE 5020 - Computer Architecture and Operating Systems (3) **CIP:**
- CISE 5030 - Software Systems Design (3) **CIP:**
- CISE 5040 - Systems Engineering (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 5230 - Computer Communication and Network (3) **CIP:**

Concentration and Electives (33 semester credit hours)

Suggested courses in each of the three areas of concentration to be selected by student's Ph.D. Advisory Committee and approved by the Program Coordinator and the Dean of the College of Engineering.

Control System and Signal Processing

- CISE 5110 - Introduction to Artificial Intelligence (3) **CIP:**
- CISE 5300 - Fundamentals of Robotics (3) **CIP:**
- EECE 5220 - Modern Signal Processing (3) **CIP:**
- EECE 5230 - Digital Image-Processing (3) **CIP:**
- EECE 5640 - Advanced Topics in Control Systems (3) **CIP:**
- EECE 6220 - Robust Control Theory (3) **CIP:**
- EECE 6230 - Nonlinear Control Systems (3) **CIP:**
- EECE 6250 - Digital Spectral Analysis (3) **CIP:**
- EECE 6260 - Pattern Recognition and Classification (3) **CIP:**
- EECE 7200 - Statistical Signal Processing (3) **CIP:**
- EECE 7220 - Intelligent Control Systems (3) **CIP:**
- EECE 7230 - Adaptive Filtering and Stochastic Control Systems (3) **CIP:**
- CISE 7240 - Computer Vision (3) **CIP:**
- CISE 7420 - Advanced Robotics (3) **CIP:**
- CISE 7450 - A. I. Robotics (3) **CIP:**
- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 5200 - Modeling and Simulation of Dynamic Systems (3) **CIP:**
- CISE 7506 - Special Topics (3) **CIP:**

Computer and Information Systems Engineering (CISE), Robotics and Computer Integrated Manufacturing Concentration, Ph.D.

Computer and Information Systems Engineering Major

Frances R. Williams, Associate Dean, Coordinator

The Doctor of Philosophy (Ph.D.) program in Computer and Information Systems Engineering (CISE) is a unique interdisciplinary program. It integrates the strengths of various disciplines of computer science, computer engineering, electrical engineering, mechanical / manufacturing engineering, information systems, and systems engineering. The program further provides advanced knowledge and research experiences in the following concentration areas;

Computer Communication and Networks

Control System and Signal Processing

Robotics and Computer Integrated Manufacturing

Goals

1. The primary goal of the Ph.D. program in Computer and Information Systems Engineering at Tennessee State University is to prepare its graduates with expertise in

systems engineering approach to the development of computer-based information and manufacturing systems.

2. To offer an outstanding and unique interdisciplinary Ph.D. degree program that is research-based and builds upon the educational and research expertise of existing faculty in the three concentrations and related areas.
3. To address the critical shortage of teaching and research faculty in the areas of computer communication and networks, control system and signal processing, and robotics and computer integrated manufacturing.

Admission Procedure

All students applying for admission must submit and complete the application in EngineeringCAS. Transcripts from all colleges and universities previously attended, and three letters of recommendation should be submitted to EngineeringCAS.

Admission Requirements

For admission to the Ph.D. in CISE program, the student must have a:

1. A Bachelor of Science degree in Engineering or Computer science from an accredited program or a Master of Science in CISE, Computer Science, or in a closely related area or a Master of Engineering.
2. A student with a B.S. degree and/or Master's degree(s) from foreign universities must submit a Certificate of Proficiency in English or a minimum score of 550 or equivalent on the Test of English as a Foreign Language (TOEFL).
3. In addition to the above, the student must have a cumulative grade point average (GPA) of 3.00 or above on a 4.00 scale for a B.S. degree graduate while a Master of Engineering or a Master of Science in CISE, Computer Science, or a closely related area graduate must have a 3.30 grade point average on a 4.00 scale. In addition, the student must have above average grades in all of the prerequisite courses in related mathematics, engineering science, communication systems, computer hardware, and computer science courses. If an evaluation of a student's transcripts reveals course or prerequisite deficiencies, the student must eliminate all deficiencies by satisfactorily completing each of the prerequisite courses prescribed before unconditional status is achieved and before completing nine (9) graduate credit hours. A student must file a letter of intent to pursue the Ph.D. degree to the Coordinator of the Ph. D. program after receiving unconditional status. None of the courses used to eliminate undergraduate deficiencies will be used to meet degree requirements.

Transfer Credits

Transfer students with Masters degrees and beyond may transfer up to a maximum of 24 credit hours of equivalent courses towards required and/or elective courses.

Major Advisor

Initially, the Coordinator of the Ph.D. program will serve as an academic advisor for all new students entering the program. Each student in the Ph.D. program is expected to select a major advisor by the beginning of the second year. All major advisors must hold tenure or tenure-track full-time graduate faculty positions.

Ph.D. Advisory Committee

A Ph.D. Advisory Committee will consist of four (4) graduate faculty from the student's program with the major advisor as its chairperson. The Ph.D. Advisory Committee will be recommended by the major advisor, with input from the student, to the Coordinator of the Ph.D. program, for approval by the Dean of the College of Engineering and the Dean of Graduate Studies. Upon the student's completion of core courses and selection of a concentration, this Ph.D. Advisory Committee will review the student's prior transcripts, evaluate and recommend any transfer credits, and prepare a program of study for approval by the Coordinator of the Ph.D. program and the Dean of College of Engineering before submission to the Dean of Graduate Studies. The Committee will supervise the student's program, administer dissertation review and approval, and finally recommend the awarding of the degree.

Retention

Students must maintain a cumulative grade point average (GPA) of 3.00 or better on the scale of 4.00, and pass all pass/fail courses throughout the program to remain in good academic standing.

Students must have a grade of B or better in all core courses and may not have more than two C grades in other courses used to meet degree requirements. After completion of nine (9) semester hours of graduate work, if the student's cumulative GPA at the end of a given semester falls below 3.00, the student will be placed on academic probation for the next semester and must satisfy the existing University requirements to return to good academic standing. Students may be dismissed from the program upon recommendation of the Ph.D. Advisory Committee for continued probation beyond two consecutive semesters.

Comprehensive Written Examination

This is a written examination designed to evaluate the student's readiness to advance to candidacy status. It is scheduled after the student has met all of the core courses and major area required and elective course requirements specified in the student's program of study and upon the recommendation of the student's major advisor. The comprehensive examination committee will develop the written examination. This is an ad hoc committee consisting of at least three (3) graduate faculty in the program and is appointed by the Coordinator of the Ph.D. program in CISE, upon the recommendation of the major advisor. This committee will determine the passing performance and inform the student, the Coordinator, and the student's major advisor of the final outcome of the examination. The comprehensive written examination will consist of questions from the core, the student's area of study and the knowledge considered essential background for the dissertation research.

Students who pass the comprehensive written examination and meet all other requirements for candidacy for the Ph.D. degree in CISE will receive written confirmation of the status of their candidacy from the Dean of Graduate School. Students who fail the examination may take it again after at least one semester. Students who fail the examination after two attempts will be dropped from the program. Students in the Ph.D. program with good standing who do not plan to pursue the Ph.D. degree may seek to meet the M.S. in CISE, the M.S. in Computer Science, or the Master of Engineering degree requirements of the University.

Oral Defense of Dissertation Proposal

The dissertation proposal is submitted to the student's major advisor and the Ph.D. Advisory Committee for review. The committee will make recommendations as needed. The proposal

must be orally defended by the candidate before the advisory committee, and it must be accepted by the committee. A signature of the committee members on the dissertation proposal constitutes approval to proceed with thesis research. Only after approval of the dissertation proposal may the student register for the CISE 790 Ph.D. Dissertation course.

Admission to Candidacy for Ph.D. Degree in CISE

Admission to candidacy for the Ph.D. degree in CISE will require compliance with all existing Graduate School policies such as;

1. Completion of all core and concentration courses approved for the student's program of study.
2. A minimum cumulative GPA of 3.0 or better,
3. Successful passing of Comprehensive Written Examination, and
4. A successful oral defense of the dissertation proposal.

Degree Requirements

The student must successfully complete the approved program of study with a minimum cumulative GPA of 3.0 or better.

1. After the approval of the dissertation proposal, the student must complete dissertation research and submit the completed dissertation to the advisory committee for approval.
2. Upon approval by the advisory committee and the Graduate School, the student must defend the research before the advisory committee and a public seminar before the faculty, students, alumni and/or industrial representatives.
3. Upon successful defense of research, presentation of the written dissertation, and approval by the Coordinator of the Ph.D. program and the Graduate School, the major advisor with the consent of the Ph.D. Advisory Committee will initiate a recommendation for awarding of the degree.

Other Requirements

Other requirements such as residency, maximum class load, transfer of credits, time limits for credits and preparation of dissertation will comply with all existing policies of the University, the College of Engineering and the Graduate School as listed in the Graduate Catalog.

Curriculum Description

This program requires a minimum of seventy-two (72) graduate semester credit hours beyond the bachelor's degree for the Ph.D. degree in CISE. Students with a master's degree in a related field may transfer up to a maximum of 24 semester credit hours of the equivalent courses for this degree. However, if a student lacks certain prerequisites or course requirements, the student may be asked to take additional courses before the required graduate courses. The program in CISE is unique and interdisciplinary because it has a core requirement that provides the necessary foundation in computer-based systems integration.

Program of Study

The curriculum consists of 51 credit hours of course work and 21 credit hours of research dissertation. The course work consists of eighteen (18) credit hours of core courses and eighteen

(18) credit hours of concentration, and fifteen (15) credit hours of guided electives. All graduate students must attend graduate seminars for at least two semesters.

Required Core Courses (18 semester credit hours)

- CISE 5010 - Data Structures and Algorithms (3) **CIP:**
- CISE 5020 - Computer Architecture and Operating Systems (3) **CIP:**
- CISE 5030 - Software Systems Design (3) **CIP:**
- CISE 5040 - Systems Engineering (3) **CIP:**
- CISE 5220 - Computer Aided Systems Design (3) **CIP:**
- CISE 5230 - Computer Communication and Network (3) **CIP:**

Concentration and Electives (33 semester credit hours)

Suggested courses in each of the three areas of concentration to be selected by student's Ph.D. Advisory Committee and approved by the Program Coordinator and the Dean of the College of Engineering.

Robotics and Computer Integrated Manufacturing

- MEEN 5010 - Introduction to Manufacturing (3) **CIP:**
- MEEN 5040 - Vibrations Analysis (3) **CIP:**
- MEEN 5130 - Flexible Manufacturing Systems (3) **CIP:**
- MEEN 5430 - Intro. to Computational Fluid Dynamics (3)
- MEEN 5610 - Computer-Aided Design and Manufacturing (3) **CIP:**
- MEEN 5620 - Design for Manufacturability (3) **CIP:**
- MEEN 5630 - Manufacturing Management and Control (3) **CIP:**
- MEEN 5640 - Manufacturing Modeling and Simulation (3) **CIP:**
- MEEN 5650 - Predictive and Preventive Maintenance (3) **CIP:**
- MEEN 5660 - Concurrent Manufacturing (3) **CIP:**
- ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3) **CIP:**
- ENGR 5070 - Object-Oriented Programming for Engineering (3) **CIP:**
- ENGR 5200 - Modeling and Simulation of Dynamic Systems (3) **CIP:**
- CISE 5300 - Fundamentals of Robotics (3) **CIP:**
- CISE 6400 - Fundamentals of Robotics in Manufacturing (3) **CIP:**
- MEEN 6430 - Manufacturing Diagnosis and Prognosis Techniques (3) **CIP:**
- CISE 6440 - Numerical Visualization (3) **CIP:**
- MEEN 6450 - Transport Phenomena in Manufacturing (3) **CIP:**
- CISE 7420 - Advanced Robotics (3) **CIP:**

- CISE 7430 - Mechatronics Systems (3) **CIP:**
- CISE 7450 - A. I. Robotics (3) **CIP:**
- CISE 7507 - Special Topics (3) **CIP:**

Ph.D. Dissertation (21 semester credit hours)

- CISE 7900 - CISE Ph.D. Dissertation (3-9) **CIP:** (21)

Seminar (0 semester credit hours registration for two semesters is required)

- CISE 7600 - Seminar (0) **CIP:** (3)

Engineering

ENGR 5070 - Object-Oriented Programming for Engineering (3)

ENGR 5100 - Methods of Applied Mathematics for Engineering 1 (3)

ENGR 5150 - Numerical Methods in Engineering (3)

ENGR 5200 - Modeling and Simulation of Dynamic Systems (3)

ENGR 5300 - Probability and Statistics (3)

ENGR 5400 - Sensor Technology and Processing (3)

ENGR 5500 - Special Problems (3)

ENGR 5605 - Engineering Placeholder (3)

ENGR 5606 - Engineering Placeholder (3)

ENGR 5607 - Engineering Placeholder (3)

ENGR 6150 - Advanced Software Architectures (3)

Biomedical Engineering

BMEM 5000 - Biomedical Instrumentation (3)

BMEN 5010 - Introduction to Biomedical Engineering (3)

BMEN 5030 - Medical Imaging and Signal Processing (3)

BMEN 5040 - Biomechanics (3)

Civil Engineering

AREN 5100 - Computer Codes (3)

CVEN 5020 - Optimization Methods for Engineering Design (3)

CVEN 5050 - Transportation Modeling (3)

CVEN 5090 - Traffic Engineering (3)

CVEN 5100 - Pavement Design (3)

CVEN 5130 - Airport Planning and Design (3)

CVEN 5140 - Urban Mass Transit Planning (3)

CVEN 5200 - Geometric Design of Highways (3)

CVEN 5270 - Groundwater Contamination (3)
CVEN 5280 - Solid Waste Management (3)
CVEN 5290 - Air Pollution Control (3)
CVEN 5300 - Environmental Engineering Processes I (3)
CVEN 5320 - Environmental Engineering Design (3)
CVEN 5330 - Water Quality Management (3)
CVEN 5340 - Industrial Waste Treatment and Disposal (3)
CVEN 5350 - Hazardous Waste Management (3)
CVEN 5360 - Environmental Engineering Laboratory (3)
CVEN 5370 - Environmental Chemistry (3)
CVEN 5380 - Environmental Impact Analysis (3)
CVEN 5400 - Theoretical Soil Mechanics (3)
CVEN 5410 - Ground Water and Seepage (3)
CVEN 5420 - Advanced Foundation Engineering (3)
CVEN 5430 - Applied Soil Mechanics (3)
CVEN 5450 - Applied Rock Mechanics (3)
CVEN 5460 - Nuclear Chemistry (3)
CVEN 5500 - Advanced Geometric Design of Highways (3)
CVEN 5600 - Pavement Design (3)
CVEN 5620 - Advanced Traffic Engineering (3)
CVEN 5640 - Transportation Systems Evaluation Procedures (3)
CVEN 5650 - Transportation Modeling (3)
CVEN 5660 - Highway Safety Engineering (3)
CVEN 5680 - Urban Mass Transit Planning (3)
CVEN 5700 - Plastic Design in Steel (3)
CVEN 5710 - Advanced Reinforced Concrete Design (3)
CVEN 5720 - Composite Structure Design (3)
CVEN 5730 - Matrix Analysis of Structures
CVEN 5740 - Elasticity (3)
CVEN 5750 - Stability and Vibrations of Structures (3)
CVEN 5760 - Advanced Indeterminate Structures (3)
CVEN 5770 - Theory of Plates and Shells (3)
CVEN 5780 - Finite Element Analysis (3)

CVEN 5790 - Reinforced Masonry Design (3)
CVEN 5800 - Advanced Steel Design (3)
CVEN 5820 - Principles of Design (3)
Computer, Information, and Systems Engineering
CISE 5005 - Introduction to Computer Hardware Systems (3)
CISE 5006 - Introduction to Information Systems (3)
CISE 5007 - Introduction to Computation and Computer Software (3)
CISE 5010 - Data Structures and Algorithms (3)
CISE 5020 - Computer Architecture and Operating Systems (3)
CISE 5030 - Software Systems Design (3)
CISE 5040 - Systems Engineering (3)
CISE 5050 - Advanced Discrete Mathematics (3)
CISE 5060 - Error Control Codes (3)
CISE 5110 - Introduction to Artificial Intelligence (3)
CISE 5210 - Probability, Statistics and Risk Analysis (3)
CISE 5220 - Computer Aided Systems Design (3)
CISE 5230 - Computer Communication and Network (3)
CISE 5240 - Management of Information Systems (3)
CISE 5250 - Introduction to System Modeling and Simulation (3)
CISE 5260 - Wireless Communications, Principles and Practice (3)
CISE 5300 - Fundamentals of Robotics (3)
CISE 5400 - Special Topics in Cise (3)
CISE 5900 - Systems Engineering Design (3)
CISE 5905 - Master of Science Thesis I (3)
CISE 5906 - Master of Science Thesis II (3)
CISE 6000 - Database Management Systems (3)
CISE 6100 - Optimization in Operations Research (3)
CISE 6200 - Introduction to Computational Intelligence (3)
CISE 6300 - Statistical Information Theory (3)
CISE 6340 - Computer Communication and Networks II (3)
CISE 6360 - Distributed Computing Theory and Design (3)
CISE 6400 - Fundamentals of Robotics in Manufacturing (3)
CISE 6440 - Numerical Visualization (3)

CISE 7240 - Computer Vision (3)
 CISE 7300 - Network Programming (3)
 CISE 7310 - Metrics and Models in Software Quality Engineering (3)
 CISE 7340 - High Performance Computer Applications (3)
 CISE 7350 - Network Security and Risk Analysis (3)
 CISE 7370 - Optical Communication (3)
 CISE 7420 - Advanced Robotics (3)
 CISE 7430 - Mechatronics Systems (3)
 CISE 7450 - A. I. Robotics (3)
 CISE 7505 - Special Topics (3)
 CISE 7506 - Special Topics (3)
 CISE 7507 - Special Topics (3)
 CISE 7600 - Seminar (0)
 CISE 7900 - CISE Ph.D. Dissertation (3-9)
 Computer Science
 COMP 5100 - Software Engineering (3)
 COMP 5200 - Advanced Algorithms Design and Analysis (3)
 COMP 5300 - Advanced Computer Architectures (3)
 COMP 5400 - Hybrid and Relational Databases (3)
 COMP 5440 - Mobile Robotics (3)
 COMP 5520 - Introduction to High Performance Computing (3)
 COMP 5600 - Mobile Applications Development (3)
 COMP 5700 - Fundamentals of Computer Networks (3)
 COMP 5720 - Cryptography and Computer Security (3)
 COMP 5750 - Computer Network Management and Security (3)
 COMP 5800 - Introduction to Bioinformatics (3)
 COMP 5900 - Special Topics (3)
 COMP 5910 - Master of Science Thesis I (3)
 COMP 5920 - Master of Science Thesis II (3)
 COMP 6100 - Bioinformatics and Computational Biology (3)
 COMP 6200 - Machine Learning (3)
 COMP 6280 - Advanced Web Applications Development (3)
 COMP 6300 - Advanced Software Engineering (3)

COMP 6400 - Distributed Algorithm and Data Analysis 3
 COMP 6700 - Network Programming and Computing 3
 COMP 6800 - Introduction to Computer Vision (3)
 COMP 6900 - Embedded Systems Programming (3)
 Electrical Engineering
 EECE 5000 - Statistical Communication Theory (3)
 EECE 5010 - Information Theory (3)
 EECE 5020 - Optimization Methods for Engineering Design (3)
 EECE 5030 - Artificial Neural Networks (3)
 EECE 5100 - Computer Structures (3)
 EECE 5120 - Computer Networks and Distributed Processing (3)
 EECE 5220 - Modern Signal Processing (3)
 EECE 5230 - Digital Image-Processing (3)
 EECE 5240 - Digital Communication (3)
 EECE 5300 - Computer Applications to Power Systems (3)
 EECE 5310 - Power System Relaying (3)
 EECE 5320 - Surge Phenomena in Power Engineering (3)
 EECE 5330 - Special Topics in Power Engineering (3)
 EECE 5600 - Optimal Control Methods for Engineering Design (3)
 EECE 5610 - Stochastic Estimation Methods for Engineering Design (3)
 EECE 5630 - Modern Control Systems (3)
 EECE 5640 - Advanced Topics in Control Systems (3)
 EECE 6220 - Robust Control Theory (3)
 EECE 6230 - Nonlinear Control Systems (3)
 EECE 6250 - Digital Spectral Analysis (3)
 EECE 6260 - Pattern Recognition and Classification (3)
 EECE 7200 - Statistical Signal Processing (3)
 EECE 7210 - Adaptive Control Systems (3)
 EECE 7220 - Intelligent Control Systems (3)
 EECE 7230 - Adaptive Filtering and Stochastic Control Systems (3)
 Mechanical Engineering
 MEEN 5010 - Introduction to Manufacturing (3)
 MEEN 5020 - Optimization Methods for Engineering Design (3)

MEEN 5030 - Artificial Neural Networks (3)
 MEEN 5040 - Vibrations Analysis (3)
 MEEN 5050 - Energy Conservation Systems (3)
 MEEN 5100 - Theory of Elasticity and Applications (3)
 MEEN 5110 - Theory of Plasticity and Application (3)
 MEEN 5130 - Flexible Manufacturing Systems (3)
 MEEN 5200 - Advanced Dynamics (3)
 MEEN 5310 - Dynamics and Thermodynamics of Compressible Fluid Flow (3)
 MEEN 5400 - Conduction and Radiation Heat Transfer (3)
 MEEN 5410 - Convection Heat Transfer (3)
 MEEN 5420 - Advanced Thermodynamics (3)
 MEEN 5610 - Computer-Aided Design and Manufacturing (3)
 MEEN 5620 - Design for Manufacturability (3)
 MEEN 5630 - Manufacturing Management and Control (3)
 MEEN 5640 - Manufacturing Modeling and Simulation (3)
 MEEN 5650 - Predictive and Preventive Maintenance (3)
 MEEN 5660 - Concurrent Manufacturing (3)
 MEEN 5780 - Finite Element Analysis (3)
 MEEN 5820 - Principles of Design (3)
 MEEN 6430 - Manufacturing Diagnosis and Prognosis Techniques (3)
 MEEN 6450 - Transport Phenomena in Manufacturing (3)

College of Engineering Graduate Faculty

Architectural Engineering

Catherine Armwood, Assistant Professor

B.S., 2007, Tennessee State University; Ph.D., 2014, University of Nebraska-Lincoln.

Civil Engineering

Deo Chimba, Assistant Professor; B. Sc., 2002, University of Dar es

Salaam; M.S. 2004 Florida State University; Ph.D. 2008, University of Miami.

Farouk Mishu, Professor and Interim Chair

B.S., 1964, Al-Hakima University; Ph.D., 1974, Strathclyde University

Roger Painter, Associate Professor

B.S., 1986, University of Tennessee; M.S., 1989, University of Tennessee Space Institute; Ph.D., 1992, Tennessee Technological University

Computer Science

Wei Chen, Professor

B.S., 1982, Shanghai Marine Institute; M.S., 1991, Osaka University; Ph.D., 1994, Osaka University

Erdem Erdemir, Assistant Professor

B.S., Bogazici University (Turkey); M.S., Bogazici University (Turkey); Ph.D., 2012, Vanderbilt University

Kamal Al Nasr, Assistant Professor

B.S., 2003, Yarmouk University (Jordan); M.S., 2009, New Mexico University; Ph.D., 2012, Old Dominion University

Tamara Rogers, Associate Professor

B.S., 1993, Vanderbilt University, M.S., 1995, Vanderbilt University, Ph.D., 2003, Vanderbilt University

Ali Sekmen, Professor and Chair

B.S., 1995, M.S., 1997, Bilkent University (Turkey); Ph.D., 2000, Vanderbilt University, Ph.D., 2012, Vanderbilt University.

Fenghui Yao, Professor

B.A., 1984, Dalian Maritime University (China); M.E., 1988, Ph.D., 1992, Kyushu Institute of Technology (Japan)

Electrical Engineering

Mohammad Bodruzzaman, Professor

B.S., 1977, M.S., 1979, Jahangirnagar University; M.S., 1984, Ph.D., 1990, Vanderbilt University

Liang Hong, Professor

B.S., 1994, M.S., 1997 Southeast University, Ph.D., 2002, University of Missouri-Columbia

Lee Keel, Professor

B.S., 1978, Korea University (Korea); M.S. 1982, Ph.D. 1986, Texas A & M University

Charles D. McCurry, Assistant Professor

B.S., 1995, M.E., 2005, Ph.D. 2011, Tennessee State University

Frances R. Williams, Professor and Associate Dean

B.S., 1994, M.S., 1996, North Carolina A&T State Univ., Ph.D., 2003, Georgia Institute of Technology

Mohamed Saleh Zein-Sabatto, Professor

B.S., 1979, University of Aleppo; M.S., 1986, Ph.D., 1991, Vanderbilt University

Mechanical Engineering

Muhammad Akbar, Assistant Professor,

B.Sc., 1995, Bangladesh University of Eng. & Tech.; M.Sc., 2001, University of Alabama; Ph.D., 2004, Georgia Inst. of Tech

Hamid R. Hamidzadeh, Professor and Chair

B.Sc., 1974, Arya Meher University of Tehran; M.Sc., D.I.C., 1975, Ph.D., 1978, University of London Imperial College of Science and Technology

Woong Yeol Joe, Assistant Professor

B.Sc., 2000, Hongik University, Seoul, Korea, M.Sc., 2003, Korea University, Seoul, Korea, M.Sc., 2006 Polytechnic University, Ph.D., 2010 Columbia University.

Landon C. Onyebueke, Professor

B.S. 1982, University of Ibadan, Nigeria, M.S. 1986, Ph.D. 1989, Institut National Polytechnique de Lorraine

Amir Shirkhodaie, Professor

B.S., 1983, M.S., 1985, Oklahoma State University; Ph.D., 1989, University of Cincinnati

College of Health Sciences

Ronald De Vera Barredo, PT, DPT, Ed.D., Dean
162 Clement Hall
(615) 963-4927
rbarredo@tnstate.edu

General Statement

The College of Health Sciences is committed to preparing tomorrow's healthcare leaders. The purpose of the College is to offer educational programs designed to produce practitioners and prepare individuals who are interested in pursuing careers as educators in the health professions; to encourage, develop and support interest in research; and to provide health care, when appropriate, and continuing education services to the community.

Objectives

The objectives of the College of Health Sciences are:

1. To develop and implement educational programs designed to graduate health practitioners and educators based on employment demands and the availability of resources.
2. To recruit students interested in careers in the health care field in programs offered in the College and to provide these students with career counseling, academic advisement, and tutoring designed to assist them in achieving career goals.
3. To maintain full accreditation by appropriate agencies for all programs offered by the College.
4. To recruit and retain a faculty capable of making significant contributions to the basic and applied research efforts of the supporting institutions.
5. To encourage and promote the rendering of service to the community through the sponsorship of seminars, workshops, consultations, and the delivery of health care whenever appropriate.
6. To identify and develop the talents of students whose prior educational and cultural experiences have heretofore prevented them from participating in allied health careers.

In addition to the Doctor in Physical Therapy, Master of Science in Speech and Hearing Science, Master of Public Health, Master of Arts in Education (Human Performance and Sport Sciences), Master of Science in Nursing, and Master of Occupational Therapy, the College offers undergraduate degrees in:

- Cardio-respiratory Care Sciences
- Dental Hygiene
- Health Care Administration and Planning
- Health Information Management
- Health Sciences
- Human Performance and Sport Sciences

- Nursing

Department of Human Performance and Sport Sciences

James E. Heimdal, Department Chair

Office: 332 Gentry Center

(615) 962-5581

jheimdal@tnstate.edu

Major: Human Performance and Sport Science

Concentrations (2):

Exercise Science

Sport Administration

Degree: Master of Arts in Education (M.A.Ed)

NOTE: Those interested in Teacher Education Certification in conjunction with an HPSS Graduate Degree should contact the Teacher Education Department within the College of Education.

Master of Arts in Education

Human Performance and Sport Sciences, Exercise Science Concentration, M.A.Ed.

Human Performance and Sport Sciences Major

James E. Heimdal, Ph.D., Department Chair

Office: 332 Gentry Center

Phone: (615) 963-5581

jheimdal@tnstate.edu

Student Learning Outcomes:

- i. All graduate candidates will be able to collect, analyze, and interpret data.
- ii. All graduate candidates will communicate ideas clearly in oral, written speech, and hands-on modalities.
- iii. All graduate candidates will prepare independent research projects for the appropriate field.
- iv. All graduate candidates will gain knowledge, skills, and abilities to become leaders in their selected field of study.

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative GPA of 2.5 or better on a 4.0 scale with a minimum score of 137 on the Verbal Reasoning and a minimal score of 138 on Quantitative Reasoning sections of the Graduate Record Examination (GRE), or 370 on the Miller Analogies Test (MAT).

Unconditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher. If the undergraduate GPA is between 2.25 and 2.49, the GRE score must be 145 on the Verbal Reasoning section and 146 on the Quantitative Reasoning

or the MAT score must be 383. If the GPA is between 2.0 and 2.24, the GRE score must be 149 on the Verbal Reasoning and 150 on the Quantitative, or the MAT score must be 394. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that the submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve this average will result in withdrawal from the program. Candidacy cannot be attained until the full requirements for unconditional admission are met.

At least eighteen (18) hours of prerequisite study in Health, Physical Education, Recreation or a closely related field must be completed prior to admission to the program.

Degree Requirements

1. The M.A.Ed. degree requires a minimum of thirty (30) semester hours of study including nine (9) hours of Major Core courses, and nine hours of Concentration Core courses. The remaining hours are guided electives chosen from the selected concentration with the consent of an advisor.
2. Students who elect to write a thesis or project are encouraged to enroll in HPSS 5120 or HPSS 6020 at least one semester prior to the semester in which they intend to complete work for the degree.
3. Students who choose the non-thesis option must pass a comprehensive examination prior to graduation.
4. Students must maintain a cumulative 3.0 GPA or better to remain in good standing.

Exercise Science

Major Core - (9 hours)

- EDAD 5110 - Educational Research For The Practitioner (3) **CIP:**
- HPSS 5050 - Sports and School Law (3) **CIP:**
- HPSS 5130 - Techniques of Cognitive & Kinetic Appraisal (3) **CIP:**

Concentration Core - (9 hours)

- HPSS 5010 - Introduction to Epidemiology (3) **CIP:**
- HPSS 5350 - Advanced Exercise Physiology (3) **CIP:**
- HPSS 5370 - Fitness Evaluation & Prescription (3) **CIP:**

Field Experience - (3 hours min)

- HPSS 5920 - Administrative Practicum (3)
and/or
- HPSS 5930 - Internship (3 - 6) **CIP:** (3)

Exercise Science Guided Electives - as Approved by Advisor

- HPSS 5310 - Aging & Wellness (3) **CIP:**
- HPSS 5320 - Wellness for Special Populations (3) **CIP:**

- HPSS 5330 - Sports Psychology (3) **CIP:**
- HPSS 5360 - Body Composition & Assessment (3) **CIP:**
- HPSS 5400 - Athletic Injury & Evaluation (3) **CIP:**
- HPSS 5470 - Sports Nutrition (3) **CIP:**
- HPSS 5600 - Sport Facilities Design & Management (3) **CIP:**
- HPSS 5700 - Special Topics (3) **CIP:**
- HPSS 5910 - Independent Study (3) **CIP:**
- HPSS 5920 - Administrative Practicum (3)
- HPSS 6020 - Project (3) **CIP:**

Required Exercise Science Internship

Students are required to complete 225 clock hours of on-site field experience and practice during the semester of internship experience:

- HPSS 5930 - Internship (3 - 6) **CIP:**

Notes:

1. Other courses may be selected with the approval of the departmental advisor.
2. Option of one of the following: Comprehensive Exam, Thesis, or Project

Human Performance and Sport Sciences, Sport Administration Concentration, M.A.Ed.

Human Performance and Sport Sciences Major

James E. Heimdahl, Ph.D., Department Chair

Office: 332 Gentry Center

Phone: (615) 963-5581

jheimdal@tnstate.edu

Student Learning Outcomes:

- i. All graduate candidates will be able to collect, analyze, and interpret data.
- ii. All graduate candidates will communicate ideas clearly in oral, written speech, and hands-on modalities.
- iii. All graduate candidates will prepare independent research projects for the appropriate field.
- iv. All graduate candidates will gain knowledge, skills, and abilities to become leaders in their selected field of study.

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative GPA of 2.5 or better on a 4.0 scale with a minimum score of 137 on the Verbal Reasoning and a minimal score of 138

on Quantitative Reasoning sections of the Graduate Record Examination (GRE), or 370 on the Miller Analogies Test (MAT).

Unconditional admission may be gained with a lower grade point average, but the GRE or MAT score must be correspondingly higher. If the undergraduate GPA is between 2.25 and 2.49, the GRE score must be 145 on the Verbal Reasoning section and 146 on the Quantitative Reasoning or the MAT score must be 383. If the GPA is between 2.0 and 2.24, the GRE score must be 149 on the Verbal Reasoning and 150 on the Quantitative, or the MAT score must be 394. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that the submit test scores at the time of original application. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve this average will result in withdrawal from the program. Candidacy cannot be attained until the full requirements for unconditional admission are met.

At least eighteen (18) hours of prerequisite study in Health, Physical Education, Recreation or a closely related field must be completed prior to admission to the program.

Degree Requirements

1. The M.A.Ed. degree requires a minimum of thirty (30) semester hours of study including nine (9) hours of Major Core courses, and nine hours of Concentration Core courses. The remaining hours are guided electives chosen from the selected concentration with the consent of an advisor.
2. Students who elect to write a thesis or project are encouraged to enroll in HPSS 5120 or HPSS 6020 at least one semester prior to the semester in which they intend to complete work for the degree.
3. Students who choose the non-thesis option must pass a comprehensive examination prior to graduation.
4. Students must maintain a cumulative 3.0 GPA or better to remain in good standing.

Sport Administration

Major Core - (9 hours)

- EDAD 5110 - Educational Research For The Practitioner (3) **CIP:**
- HPSS 5050 - Sports and School Law (3) **CIP:**
- HPSS 5130 - Techniques of Cognitive & Kinetic Appraisal (3) **CIP:**

Concentration Core - (9 hours)

- HPSS 5500 - Problems in Sport Management (3) **CIP:**
- HPSS 5510 - Financial Administration of Sport (3) **CIP:**
- HPSS 5800 - Strategic Management (3) **CIP:**

Field Experience (3 hours)

- HPSS 5920 - Administrative Practicum (3)
- and/or

- HPSS 5930 - Internship (3 - 6) **CIP:** (3)

Sport Administration Guided Electives - as Approved by Advisor

- HPSS 5600 - Sport Facilities Design & Management (3) **CIP:**
- HPSS 5620 - Sport Marketing & Public Relations (3) **CIP:**
- HPSS 5650 - Sport Policies and Procedures (3) **CIP:**
- HPSS 5700 - Special Topics (3) **CIP:**
- HPSS 5910 - Independent Study (3) **CIP:**
- HPSS 5920 - Administrative Practicum (3)
- HPSS 6020 - Project (3) **CIP:**

Required Sport Administration Internship

Students are required to complete 225 clock hours of on-site field experience and practice during the semester of internship experience:

- HPSS 5930 - Internship (3 - 6) **CIP:**

Notes:

1. Other courses may be selected with the approval of the departmental advisor.
2. Option of one of the following: Comprehensive Exam, Thesis, or Project

Division of Nursing

Maria Antoinette Revell, Ph.D., MSN, RN, COI

Interim Executive Director, School of Nursing

Office: Room 110, Frederick S. Humphries

Phone: (615) 963-5251

mrevell1@tnstate.edu

<http://www.tnstate.edu/nursing/masters.aspx>

Major: Nursing

Degree: Master of Science in Nursing (MSN)

Concentrations:

Nursing Education

Holistic Nursing

Family Nurse Practitioner

Office: 318, Frederick S. Humphries

Phone: (615) 963-5252

The Division of Nursing offers a Master of Science in Nursing (MSN) degree with three concentrations that include Family Nurse Practitioner, Holistic Nursing, and Nursing Education. The MSN program provides a flexible and blended curriculum with online, daytime and evening courses. Many courses are provided online and the Master of Science in Holistic Nursing degree is offered totally online as a distance program. The Master of Science concentration in the Family Nurse Practitioner specialty prepares the individual for advanced nursing practice across the family continuum, and educationally prepares the graduate for future certification as a FNP.

Nursing Education is designed and developed to provide students the opportunity to obtain the theory, skill and experience to teach within the college or university setting or within the education department of a clinical facility. Graduates of the Nursing Education concentration are educationally prepared for future certification as nurse educators. The Holistic Nursing concentration is designed to prepare the graduate with a foundation for delivering advanced holistic care to individuals and families, including the use of complementary and alternative healing health therapies. Graduates of the Holistic Nursing concentration are educationally prepared for future certification in holistic nursing.

State and federal laws require colleges and universities to be authorized to offer online degree programs in states other than their own. The National Council for State Reciprocity Agreement (NC-SARA) identifies these states. The list is located at <http://nc-sara.org/files/docs/SARA%20state%20status%20matrix%20V2.pdf> which identifies where Tennessee State University is authorized to offer MSN online degrees. If you do not see your state on this list you will not be able to apply for entry consideration in any TSU MSN program.

Masters of Science in Nursing, Tennessee State University
Program Accreditation
Accredited by the Accreditation Commission for Education in Nursing (ACEN)
Application Process
Students are admitted three times each year by application to the Graduate School. Deadlines for applications are April 1 st for summer term, August 1 st for fall term, and December 1 st for spring term.
Admission Criteria
Bachelors of Science in Nursing with an overall GPA of 3.0 on a 4.0 scale. Consideration is given to students with grade point averages below 3.0 for conditional admission pending space availability. An unencumbered license to practice as a Registered Nurse in Tennessee or the state in which clinical assignments are requested.
Curriculum Requirements by Concentration
Family Nurse Practice - 49 hours Nursing Education - 45 hours Holistic Nursing - 45 hours
Clinical Requirements
Students must identify potential preceptors and clinical affiliation agreements must be fully executed prior to registering for a clinical or practicum course. Clinical experience

may not begin until the student receives notice of preceptor approval and full execution of an affiliation agreement.

A criminal background check, drug screening, documentation of health immunizations, professional liability insurance, and health insurance are required for all students participating in clinical assignments. Proof of compliance and purchase will be uploaded into the Medatrax system. Students are expected to cooperate fully with the process and pay all associated costs.

Dual Concentrations

No dual concentrations are allowed in the TSU MSN program. TSU students may complete a degree in only one concentration. The Graduate School accepts candidacy forms for the degree after completing nine (9) semester hours of coursework. After completion of a MSN, the student may complete a Post Master's Certificate in any of the three concentration areas.

Master of Nursing

Nursing, Family-Nurse Practitioner Concentration, M.S.N.

Nursing Major

Statement of Purpose

The curriculum of the Masters of Science in Nursing (MSN) program is based on the philosophy of the University and the Division of Nursing. The purpose of the master's degree program is to prepare nurses for advanced clinical practice and for nursing leadership and teaching positions in both university and alternative/complimentary clinical health care settings. The MSN curriculum is organized to support students' progressive learning of advanced nursing knowledge and skills. The major concepts of the curriculum cover advanced practice nursing roles, holistic health care, theory, evidence based practice, ethical, legal, and policy health care issues, and nursing education theory and practice.

The program is designed to ensure students are knowledgeable in these areas:

1. Nursing theory and research concepts and their application to practice;
2. Advanced clinical practice; and
3. Role competence

The program provides for a range of electives that complement the area of concentration. The master's program provides the foundation for doctoral study.

Students can transfer in up to six (6) hours of previous graduate level courses or choose two elective courses that support their individual educational goals based on concentration of study. There is also the opportunity to carry out independent research (thesis) or to complete a guided Scholarly project. The master's program provides the foundation for doctoral study.

The MSN Program is accredited by the Accreditation Commission for Education in Nursing (ACEN), The ACEN may be contacted at 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org. The program also holds full approval status by the

Tennessee Board of Nursing, which can be reached at 665 Mainstream Drive, 2nd Floor Nashville, TN 37243, 615-532-5166.

Program Outcomes

The MSN Program will:

1. Facilitate successful student completion of the selected program of study.
2. Prepare graduates for successful certification at the national level.
3. Achieve alumni satisfaction with the program in preparing the graduate for selected roles.
4. Achieve employer satisfaction with graduate preparation for entry-level positions.
5. Facilitate graduate employment as related to the role preparation provided.

Student Learning Outcomes

Upon completion of the MSN Program, the student will be able to:

1. Conduct comprehensive and systematic assessments as a foundation for decision-making.
2. Transfer and apply knowledge of illness and disease management for the provision of safe evidence-based care to diverse populations.
3. Synthesize epidemiological, social, and environmental data in drawing inferences regarding the health status of various populations and interventions to promote and preserve health and healthy lifestyles.
4. Operationalize knowledge and skills in education, economics, business principles, and systems in the evaluation of interventions.

Graduate Role Specific Competencies

Upon completion of the selected concentration within MSN Program, the student will be able to:

Family Nurse Practitioner Concentration:

1. Critically analyzes data and evidence for improving advanced nursing practice which Integrates knowledge from the humanities and sciences within the context of nursing science. Uses best practices available evidence to continuously improve quality of clinical practice of the Advanced Practice Nurse.
2. Demonstrates an understanding of the interdependence of policy and practice.
3. Provides the full spectrum of health care services to include health promotion, disease prevention, health protection, anticipatory guidance, counseling, disease management, palliative, and end-of-life care that uses advanced health assessment skills to differentiate between normal, variations of normal and abnormal findings.
4. Prescribed medications within scope of practice.

Nursing Education Concentration: (Currently On Hold)

1. Demonstrate effective development of curriculum which integrates sound educational principles, theory and research.

2. Effectively apply a variety of evidence based teaching strategies appropriate to learner needs, desired learner outcomes, content, and context.
3. Implement evidence based assessment and evaluation strategies that are appropriate to the learner and to learning outcomes inclusive of cognitive, psycho motor, and affective domains.

Holistic Nursing Concentration:

1. Recognize the totality of the human being and how this influences healing, patient care, and patient self-care.
2. Integrate self-care, self-responsibility, spirituality, and reflection in their lives allowing a greater awareness of the interconnectedness and its relationship to the healing process.
3. Provides leadership in holism for health care providers and system.

Admission

Students in the graduate nursing program must meet the university admission, candidacy, and graduation requirements as listed in the Graduate Catalog, as well as admission requirements to the MSN Program. Students should review the Graduate Catalog for university requirements and policies. Admission to the program occurs each summer, fall, and spring semester.

Applicants who have completed graduate level nursing courses at another institution need to have earned at least a grade of "B" in each course to be eligible for admission. Individuals who have previously earned grades of less than "B" in any graduate nursing course at another institution are not eligible for admission to the TSU MSN program.

Transfer of Graduate Level Nursing Courses

Students transferring from another graduate nursing program must submit a transcript and a letter of good standing from the dean/director of the previous nursing program. Graduate level nursing courses completed at other institutions, with grades of at least "B" will be evaluated on an individual basis. A maximum of twelve (12) hours may be transferred with approval, but must have been taken within six (6) years of the anticipated graduation date from Tennessee State University.

Application Materials

The application process for the Tennessee State University (TSU) MSN program must be completed through the Nursing Centralized Application Service (NursingCAS). Applicants should submit all the required application materials by April 1st for summer admission, August 1st for fall admission, and December 1st for spring admission.

Required materials include:

1. Completed Graduate School Application with fee.
2. Three letters of professional reference. References should be from faculty members, professional colleagues, or work supervisors who can evaluate your potential for success in a graduate program.
3. Official transcripts from **all** previous colleges.

4. Resume that includes documentation of community service, continuing education (CEUs), and professional organization memberships.
5. Photocopy of current RN license.
6. AHA BLS health provider certification.
7. A written statement of professional goals, upon completion of the MSN degree, maximum of one (1) page, double spaced and typed. This section must specifically include the specialty you wish to pursue (FNP, Nursing Education, or Holistic Nursing).
8. Personal record of health immunizations.
9. A criminal background check and drug screen, and student professional practice liability insurance, are required before starting clinical courses.

Plan of Study Appointment

An appointment with the student's designated faculty advisor is required (by phone, email, or in person) prior to enrollment in the first class and each semester thereafter in order to create and review a plan of study for each student.

Requirements for Unconditional Admission to the MSN Program

Admission to the program will be based on space availability through competitive selection from the pool of applicants.

Requirements for unconditional admission are:

1. Admission to Tennessee State University as a MSN degree seeking student.
2. Graduation from an NLNAC, ACEN, or CCNE accredited baccalaureate nursing program, with an overall GPA minimum of 3.0 or higher (on a 4.0 scale) is required.
3. A current unencumbered R.N. license (the state in which clinical will be completed).
4. Submission of all materials required within the MSN Program application to NursingCAS.

Requirements for Unconditional Admission to the Post MSN Certificate Program

1. Admission to Tennessee State University.
2. Graduation from an NLNAC, ACEN, or CCNE accredited master's or doctoral program in nursing.
3. An overall graduate level GPA minimum of 3.0 or higher on a 4point scale is required for admission for a post master's certificate.
4. A current unencumbered Tennessee R.N. license (or the state in which clinical will be completed).
5. Submission of all materials required within the MSN Program application packet.

Requirements for Conditional Admission to the MSN Program

Students who do not meet the unconditional admission requirements may be considered for conditional admission pending space availability if they can demonstrate graduate potential by other means.

1. Admission to Tennessee State University as a MSN degree seeking student.
2. Graduation from an NLNAC, ACEN, or CCNE accredited baccalaureate nursing program with an overall GPA minimum of 2.5 or higher (on a 4.0 scale) is required.
3. A current unencumbered Tennessee R.N. license (or the state in which clinical will be completed).
4. Submission of all materials required within the MSN Program application packet.

Students who are admitted conditionally must meet the following requirements to be considered for unconditional admission status:

- A grade of B or above on 9 hours of graduate coursework. If they received a grade of C on any of these hours they were not admitted to candidacy.

Process for Change of Status from Conditional to Unconditional Admission

Students must meet all the requirements for transition from conditional to unconditional admission before taking courses beyond nine hours in the major. Students who have completed this requirement are reviewed by the Admission Committee to be approved for change of status.

Special Requirements

Special requirements before entering the MSN clinical courses include record of health immunization, current Health Care Provider-BLS certification, student liability insurance, and personal health insurance. An agency approved criminal background check and drug screening are required before starting clinical courses. In addition the clinical site must be approved by faculty and a fully executed clinical affiliation agreement with the university is required.

Criminal Background Checks and Drug Screening

A criminal background check and drug screening are required. Based on the results of these checks a clinical site may determine not to allow a student at their facility. This could result in the inability to successfully complete program requirements. Additionally, a criminal background may preclude licensure, certification, or employment. Students are expected to cooperate fully with the process and pay all associated costs. Tennessee State University and the Division of Nursing are not liable if the results of a criminal background check or a drug screening indicates that a student is unable to complete the requirements of the program or if such results preclude one from obtaining licensure or employment.

Retention and Progression

A grade of B or higher denotes successful completion of a course within the MSN Program. Within the MSN Program, a student may receive a grade of C one time within their program of study and be allowed to repeat the course one time to achieve a B or higher. The receipt of a second grade of C in the repeated or any other nursing course, or any single grade of D or F within a nursing course will result in the student being ineligible to progress or remain in the program. In addition to the MSN Program Retention and Progression Policy, each student is required to comply with the Graduate School Retention Policy.

In order to graduate, students must have a minimum 3.0 grade point average overall and in the program of study. When the cumulative grade point average falls below 3.0, the graduate student will be placed on academic probation. If the student does not achieve a 3.0 cumulative grade

point average at the conclusion of one probationary semester, the Dean of the Graduate School and appropriate college/department/program officials will determine whether the student should be dismissed from the graduate school or continued on probation. No student will be allowed more than two probationary semesters, whether consecutive or cumulative. At the end of a second probationary semester a student whose cumulative grade point average is still below 3.0 will be dismissed from the graduate school and subsequent program of study. A student will be removed from probationary status upon attaining a cumulative 3.0 grade point average.

Academic disqualification from the graduate nursing major will also occur when the student:

- Willfully misrepresents preceptor evaluations; patient data; patient or preceptor data, or any record related to clinical practice
- Engages in clinical activity prior to faculty approval of the preceptor or a fully executed clinical affiliation agreement is completed and the student notified
- Places any patient or individual in the clinical setting in physical or emotional jeopardy
- Is placed on probation by their State Board of Nursing
- Fails to disclose a felony conviction
- Fails to disclose disciplinary action or diversion by the State Board of Nursing
- Fails to complete all degree requirements within six (6) years of entering graduate nursing coursework

Readmission

Readmission applies to those students who have not been in continuous enrollment in the Graduate School. For example, students who did not enroll in courses during fall or spring semester of a given academic year must reapply for admission to the Graduate School. If reapplication is not within a year of the initial entry semester or offer of admission the applicant must submit a **full application**. The procedures for readmission:

Completed the application for readmission through the Nursing Centralized Application Service (NursingCAS).

Candidacy and Graduation

Students must meet all the University Graduate School and Division of Nursing requirements for candidacy and graduation. Students must complete and file the 'Candidacy' form following the first nine hours of completed coursework. Additionally, students must complete and file the Intent to Graduate form with the Graduate School the semester prior to the semester of degree completion.

All students must successfully complete a comprehensive examination as required by the Graduate School. The examination will consist of a proctored examination for each concentration area.

Financial Assistance

Upon acceptance into the graduate program, students may apply for available stipends or financial aid. Full-time students (taking 9 hours each semester) may apply for graduate assistantships.

Curriculum Requirements

All coursework within a required concentration must be completed in the prescribed sequence as indicated by pre-requisites and co-requisites. Students are required to meet with their faculty advisor before registering for courses each and every semester.

The goal of the master's program is to prepare individuals to educate others and to prepare professional nurses with knowledge, skills, and values to provide advanced, holistic comprehensive clinical nursing care to individuals and families with complex health care problems in primary health care settings.

The FNP curriculum provides a core of specialized nursing and general knowledge as a foundation for advanced family health nursing practice.

The Holistic Nursing concentration provides in depth study of self-care, complementary and alternative therapies, healing practices, and holistic specialization.

The Nursing Education concentration (**currently on-hold**) is designed to provide students the opportunity to obtain the theory skill and experience to teach within the college or university setting or within the education department of a clinical facility.

Students identify and work towards achieving their individual career goals. Clinical preceptors and specialized courses assist the student to focus on the knowledge and skills needed for their area of advanced nursing practice. Graduates of the FNP program concentration are educationally eligible to become certified as family nurse practitioners. Graduates of the Holistic Concentration are educationally prepared to become certified as Advanced Holistic Nurses. Graduates of the Nursing Education concentration are educationally prepared to become certified as nurse educators.

Content is organized and sequenced to assist students to move from a general knowledge base to one that is more complex and specialized. The program consists of four (4) semesters plus one 10 week summer term of full-time study with 45 credits required for the Nursing Education concentration, 45 credits required for the Holistic Nursing concentration, and 43 credits required for the Family Nurse Practitioner concentration. A clinical or education practicum, field study, development of a Scholarly State of the Science Paper (via Project Writing Courses) and completion of a comprehensive examination are requirements of each concentration.

All students take the foundational courses first which provide advanced knowledge, experiences, and competencies in nursing research, current and emerging theories, roles, ethical decision making and management of health care information. Nursing theory and research are placed before the clinical courses in order for students to integrate knowledge and evidence into their teaching and or advanced clinical practice. Each credit hour of didactic teaching equals one 55 minute class period per week.

The allocation of course credits to theory and clinical is based on course content and objectives, and required learning activities. Clinical hours are specific to selected specialty courses and are scheduled across the designated semester(s). Students have the option of full time or part time study.

Scholarly Project

Each student in the MSN program must complete a scholarly state of the science paper as a partial fulfillment of the requirements for the completion of the degree. This paper is completed

through the requirements within the Project Writing I and II courses. The initial step is the selection of a faculty approved topic on which to prepare a state of the science paper. Students must enroll in NURS 5220 I and II, followed by NURS 5220 I and II sequentially over two consecutive terms for 3 hours each semester - a total of six hours.

On-campus Requirements: All students will be required to report to campus for a maximum of three times during their course of study. This includes a Research Day presentation (spring semester), a Project Writing presentation (semester enrolled in final Project Writing course) and comprehensive examination (taken final semester of study).

Program of Study

Degree: Masters of Science

Major: Nursing

Concentrations:

Nursing Education

Holistic Nursing

Family Nurse Practitioner

The master's program offered by the Division of Nursing includes three concentrations: Nursing Education, Holistic Nursing, and Family Nurse Practitioner. These programs are designed to prepare advanced practice nurses for education and practice. Prior graduate work and the individual student's interest and career goals will be considered in planning the program of study for each candidate.

Program Courses

Core Curriculum Required Courses (19* - 22 hours)

- NURS 5000 - Nursing Theory (3) **CIP:**
- NURS 5020 - Research in Nursing Practice (3) **CIP:**
- NURS 5040 - Role of Development: Theory and Practice (3) **CIP:**
- NURS 5070 - Health Policy for Advanced Practice Nurses (3) **CIP: ***
- NURS 5210 - Pathophysiology (3) **CIP:**
- NURS 5100 - Advanced Health Assessment (3) **CIP:**
- NURS 5280 - Pharmacotherapeutics (3) **CIP:**
- NURS 5111 - Advanced Health Assessment Clinical (1) **CIP:**

Note:

*Not required for Nursing Education Concentration

Concentration I: (9 hours) - Family Nurse Practitioner

Beginning with the **Fall Semester 2020**, the **Family Nurse Practitioner** program will only be **OFFERED ONLINE**.

All students currently enrolled in the traditional Family Nurse Practitioner program (on-site) will be supported through your projected date of graduation. Contact your advisor for details.

- NURS 5120 - Advanced Family Health Nursing I (4) **CIP:**
- NURS 5140 - Advanced Family Health Nursing II (5) **CIP:**
- NURS 5124 - Advanced Family Health Nursing I Practicum (3) **CIP:**
- NURS 5144 - Advanced Family Health Nursing II Practicum (3) **CIP:**

Certificate: Family Nurse Practitioner

Nurses who hold a Master of Science in Nursing degree from a nationally accredited program and are interested in continuing study to become a Family Nurse Practitioner (FNP) may be eligible to enter post graduate studies. The three pre-requisite courses required for advanced practice nursing - Advanced Assessment (4 hours), Advanced Pathophysiology (3 hours), and Advanced Pharmacology (3 hours) - will need to be completed before beginning the Post Graduate Certificate requirements and may be transferred from the previous graduate degree if completed no more than five (5) years prior to TSU enrollment. If the MSN program from which the applicant graduated did not include all three courses, the three advanced courses may be taken through Tennessee State University before beginning the remaining FNP coursework. Graduation with a post graduate certificate will require completion of nursing NURS 5120 and NURS 5140 and the required 300 clinical hours in both courses for a total of 600 hours in clinical practice. Tennessee State University students who choose to complete the post graduate certificate for Family Nurse Practitioner following their primary MSN degree concentration in another area of study (for example either Holistic Nursing or Nursing Education) will take Nurses who hold a Master of Science Nursing NURS 5120 and NURS 5140 for a total of nine (9) hours to complete the requirement. Students who hold the MSN degree from another institution in another area of advanced practice nursing will complete the nine (9) requisite hours for the FNP specialty, transferring the ten (10) hours in prerequisite courses.

Additional Requirements

Electives

Six hours of elective course work is required for the FNP concentration and 3 hours for the Holistic concentration. No elective course is required for the Education concentration. Students may select graduate courses they determine will meet their educational goals and complement the required course offerings. Approval by the nursing advisor is required.

Scholarly Project (6 hours)

- NURS 5220 I and II - Project Writing (6) **CIP:**

Concentration Required Credits

Total of 49 credits for FNP

Total of 45 credits for Holistic

Total of 45 credits for Nursing Education

Nursing, Holistic Nursing Concentration, M.S.N.

Nursing Major

Statement of Purpose

The curriculum of the Masters of Science in Nursing (MSN) program is based on the philosophy of the University and the Division of Nursing. The purpose of the master's degree program is to prepare nurses for advanced clinical practice and for nursing leadership and teaching positions in both university and alternative/complimentary clinical health care settings. The MSN curriculum is organized to support students' progressive learning of advanced nursing knowledge and skills. The major concepts of the curriculum cover advanced practice nursing roles, holistic health care, theory, evidence based practice, ethical, legal, and policy health care issues, and nursing education theory and practice.

The program is designed to ensure students are knowledgeable in these areas:

1. Nursing theory and research concepts and their application to practice;
2. Advanced clinical practice; and
3. Role competence

The program provides for a range of electives that complement the area of concentration. The master's program provides the foundation for doctoral study.

Students can transfer in up to six (6) hours of previous graduate level courses or choose two elective courses that support their individual educational goals based on concentration of study. There is also the opportunity to carry out independent research (thesis) or to complete a guided Scholarly project. The master's program provides the foundation for doctoral study.

The MSN Program is accredited by the Accreditation Commission for Education in Nursing (ACEN), The ACEN may be contacted at 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org. The program also holds full approval status by the Tennessee Board of Nursing, which can be reached at 665 Mainstream Drive, 2nd Floor Nashville, TN 37243, 615-532-5166.

Program Outcomes

The MSN Program will:

1. Facilitate successful student completion of the selected program of study.
2. Prepare graduates for successful certification at the national level.
3. Achieve alumni satisfaction with the program in preparing the graduate for selected roles.
4. Achieve employer satisfaction with graduate preparation for entry-level positions.
5. Facilitate graduate employment as related to the role preparation provided.

Student Learning Outcomes

Upon completion of the MSN Program, the student will be able to:

1. Conduct comprehensive and systematic assessments as a foundation for decision-making.
2. Transfer and apply knowledge of illness and disease management for the provision of safe evidence-based care to diverse populations.

3. Synthesize epidemiological, social, and environmental data in drawing inferences regarding the health status of various populations and interventions to promote and preserve health and healthy lifestyles.
4. Operationalize knowledge and skills in education, economics, business principles, and systems in the evaluation of interventions.

Graduate Role Specific Competencies

Upon completion of the selected concentration within MSN Program, the student will be able to:

Family Nurse Practitioner Concentration:

1. Critically analyzes data and evidence for improving advanced nursing practice which Integrates knowledge from the humanities and sciences within the context of nursing science. Uses best practices available evidence to continuously improve quality of clinical practice of the Advanced Practice Nurse.
2. Demonstrates an understanding of the interdependence of policy and practice.
3. Provides the full spectrum of health care services to include health promotion, disease prevention, health protection, anticipatory guidance, counseling, disease management, palliative, and end-of-life care that uses advanced health assessment skills to differentiate between normal, variations of normal and abnormal findings.
4. Prescribed medications within scope of practice.

Nursing Education Concentration: (Currently On Hold)

1. Demonstrate effective development of curriculum which integrates sound educational principles, theory and research.
2. Effectively apply a variety of evidence based teaching strategies appropriate to learner needs, desired learner outcomes, content, and context.
3. Implement evidence based assessment and evaluation strategies that are appropriate to the learner and to learning outcomes inclusive of cognitive, psycho motor, and affective domains.

Holistic Nursing Concentration:

1. Recognize the totality of the human being and how this influences healing, patient care, and patient self-care.
2. Integrate self-care, self-responsibility, spirituality, and reflection in their lives allowing a greater awareness of the interconnectedness and its relationship to the healing process.
3. Provides leadership in holism for health care providers and system.

Admission

Students in the graduate nursing program must meet the university admission, candidacy, and graduation requirements as listed in the Graduate Catalog, as well as admission requirements to the MSN Program. Students should review the Graduate Catalog for university requirements and policies. Admission to the program occurs each summer, fall, and spring semester.

Applicants who have completed graduate level nursing courses at another institution need to have earned at least a grade of "B" in each course to be eligible for admission. Individuals who have previously earned grades of less than "B" in any graduate nursing course at another institution are not eligible for admission to the TSU MSN program.

Transfer of Graduate Level Nursing Courses

Students transferring from another graduate nursing program must submit a transcript and a letter of good standing from the dean/director of the previous nursing program. Graduate level nursing courses completed at other institutions, with grades of at least "B" will be evaluated on an individual basis. A maximum of twelve (12) hours may be transferred with approval, but must have been taken within six (6) years of the anticipated graduation date from Tennessee State University.

Application Materials

The application process for the Tennessee State University (TSU) MSN program must be completed through the Nursing Centralized Application Service (NursingCAS). Applicants should submit all the required application materials by April 1st for summer admission, August 1st for fall admission, and December 1st for spring admission.

Required materials include:

1. Completed Graduate School Application with fee.
2. Three letters of professional reference. References should be from faculty members, professional colleagues, or work supervisors who can evaluate your potential for success in a graduate program.
3. Official transcripts from **all** previous colleges.
4. Resume that includes documentation of community service, continuing education (CEUs), and professional organization memberships.
5. Photocopy of current RN license.
6. AHA BLS health provider certification.
7. A written statement of professional goals, upon completion of the MSN degree, maximum of one (1) page, double spaced and typed. This section must specifically include the specialty you wish to pursue (FNP, Nursing Education, or Holistic Nursing).
8. Personal record of health immunizations.
9. A criminal background check and drug screen, and student professional practice liability insurance, are required before starting clinical courses.

Plan of Study Appointment

An appointment with the student's designated faculty advisor is required (by phone, email, or in person) prior to enrollment in the first class and each semester thereafter in order to create and review a plan of study for each student.

Requirements for Unconditional Admission to the MSN Program

Admission to the program will be based on space availability through competitive selection from the pool of applicants.

Requirements for unconditional admission are:

1. Admission to Tennessee State University as a MSN degree seeking student.
2. Graduation from an NLNAC, ACEN, or CCNE accredited baccalaureate nursing program, with an overall GPA minimum of 3.0 or higher (on a 4.0 scale) is required.
3. A current unencumbered R.N. license (the state in which clinical will be completed).
4. Submission of all materials required within the MSN Program application to NursingCAS.

Requirements for Unconditional Admission to the Post MSN Certificate Program

1. Admission to Tennessee State University.
2. Graduation from an NLNAC, ACEN, or CCNE accredited master's or doctoral program in nursing.
3. An overall graduate level GPA minimum of 3.0 or higher on a 4point scale is required for admission for a post master's certificate.
4. A current unencumbered Tennessee R.N. license (or the state in which clinical will be completed).
5. Submission of all materials required within the MSN Program application packet.

Requirements for Conditional Admission to the MSN Program

Students who do not meet the unconditional admission requirements may be considered for conditional admission pending space availability if they can demonstrate graduate potential by other means.

1. Admission to Tennessee State University as a MSN degree seeking student.
2. Graduation from an NLNAC, ACEN, or CCNE accredited baccalaureate nursing program with an overall GPA minimum of 2.5 or higher (on a 4.0 scale) is required.
3. A current unencumbered Tennessee R.N. license (or the state in which clinical will be completed).
4. Submission of all materials required within the MSN Program application packet.

Students who are admitted conditionally must meet the following requirements to be considered for unconditional admission status:

- A grade of B or above on 9 hours of graduate coursework. If they received a grade of C on any of these hours they were not admitted to candidacy.

Process for Change of Status from Conditional to Unconditional Admission

Students must meet all the requirements for transition from conditional to unconditional admission before taking courses beyond nine hours in the major. Students who have completed this requirement are reviewed by the Admission Committee to be approved for change of status.

Special Requirements

Special requirements before entering the MSN clinical courses include record of health immunization, current Health Care Provider-BLS certification, student liability insurance, and

personal health insurance. An agency approved criminal background check and drug screening are required before starting clinical courses. In addition the clinical site must be approved by faculty and a fully executed clinical affiliation agreement with the university is required.

Criminal Background Checks and Drug Screening

A criminal background check and drug screening are required. Based on the results of these checks a clinical site may determine not to allow a student at their facility. This could result in the inability to successfully complete program requirements. Additionally, a criminal background may preclude licensure, certification, or employment. Students are expected to cooperate fully with the process and pay all associated costs. Tennessee State University and the Division of Nursing are not liable if the results of a criminal background check or a drug screening indicates that a student is unable to complete the requirements of the program or if such results preclude one from obtaining licensure or employment.

Retention and Progression

A grade of B or higher denotes successful completion of a course within the MSN Program. Within the MSN Program, a student may receive a grade of C one time within their program of study and be allowed to repeat the course one time to achieve a B or higher. The receipt of a second grade of C in the repeated or any other nursing course, or any single grade of D or F within a nursing course will result in the student being ineligible to progress or remain in the program. In addition to the MSN Program Retention and Progression Policy, each student is required to comply with the Graduate School Retention Policy.

In order to graduate, students must have a minimum 3.0 grade point average overall and in the program of study. When the cumulative grade point average falls below 3.0, the graduate student will be placed on academic probation. If the student does not achieve a 3.0 cumulative grade point average at the conclusion of one probationary semester, the Dean of the Graduate School and appropriate college/department/program officials will determine whether the student should be dismissed from the graduate school or continued on probation. No student will be allowed more than two probationary semesters, whether consecutive or cumulative. At the end of a second probationary semester a student whose cumulative grade point average is still below 3.0 will be dismissed from the graduate school and subsequent program of study. A student will be removed from probationary status upon attaining a cumulative 3.0 grade point average.

Academic disqualification from the graduate nursing major will also occur when the student:

- Willfully misrepresents preceptor evaluations; patient data; patient or preceptor data, or any record related to clinical practice
- Engages in clinical activity prior to faculty approval of the preceptor or a fully executed clinical affiliation agreement is completed and the student notified
- Places any patient or individual in the clinical setting in physical or emotional jeopardy
- Is placed on probation by their State Board of Nursing
- Fails to disclose a felony conviction
- Fails to disclose disciplinary action or diversion by the State Board of Nursing
- Fails to complete all degree requirements within six (6) years of entering graduate nursing coursework

Readmission

Readmission applies to those students who have not been in continuous enrollment in the Graduate School. For example, students who did not enroll in courses during fall or spring semester of a given academic year must reapply for admission to the Graduate School. If reapplication is not within a year of the initial entry semester or offer of admission the applicant must submit a **full application**. The procedures for readmission:

Completed the application for readmission through the Nursing Centralized Application Service (NursingCAS).

Candidacy and Graduation

Students must meet all the University Graduate School and Division of Nursing requirements for candidacy and graduation. Students must complete and file the 'Candidacy' form following the first nine hours of completed coursework. Additionally students must complete and file the Intent to Graduate form with the Graduate School the semester prior to the semester of degree completion.

All students must successfully complete a comprehensive examination as required by the Graduate School. The examination will consist of a proctored examination for each concentration area.

Financial Assistance

Upon acceptance into the graduate program, students may apply for available stipends or financial aid. Full-time students (taking 9 hours each semester) may apply for graduate assistantships.

Curriculum Requirements

All coursework within a required concentration must be completed in the prescribed sequence as indicated by pre-requisites and co-requisites. Students are required to meet with their faculty advisor before registering for courses each and every semester.

The goal of the master's program is to prepare individuals to educate others and to prepare professional nurses with knowledge, skills, and values to provide advanced, holistic comprehensive clinical nursing care to individuals and families with complex health care problems in primary health care settings.

The FNP curriculum provides a core of specialized nursing and general knowledge as a foundation for advanced family health nursing practice.

The Holistic Nursing concentration provides in depth study of self-care, complementary and alternative therapies, healing practices, and holistic specialization.

The Nursing Education concentration (**currently on-hold**) is designed to provide students the opportunity to obtain the theory skill and experience to teach within the college or university setting or within the education department of a clinical facility.

Students identify and work towards achieving their individual career goals. Clinical preceptors and specialized courses assist the student to focus on the knowledge and skills needed for their area of advanced nursing practice. Graduates of the FNP program concentration are educationally eligible to become certified as family nurse practitioners. Graduates of the Holistic

Concentration are educationally prepared to become certified as Advanced Holistic Nurses. Graduates of the Nursing Education concentration are educationally prepared to become certified as nurse educators.

Content is organized and sequenced to assist students to move from a general knowledge base to one that is more complex and specialized. The program consists of four (4) semesters plus one 10 week summer term of full-time study with 45 credits required for the Nursing Education concentration, 45 credits required for the Holistic Nursing concentration, and 43 credits required for the Family Nurse Practitioner concentration. A clinical or education practicum, field study, development of a Scholarly State of the Science Paper (via Project Writing Courses) and completion of a comprehensive examination are requirements of each concentration.

All students take the foundational courses first which provide advanced knowledge, experiences, and competencies in nursing research, current and emerging theories, roles, ethical decision making and management of health care information. Nursing theory and research are placed before the clinical courses in order for students to integrate knowledge and evidence into their teaching and or advanced clinical practice. Each credit hour of didactic teaching equals one 55 minute class period per week.

The allocation of course credits to theory and clinical is based on course content and objectives, and required learning activities. Clinical hours are specific to selected specialty courses and are scheduled across the designated semester(s). Students have the option of full time or part time study.

Scholarly Project

Each student in the MSN program must complete a scholarly state of the science paper as a partial fulfillment of the requirements for the completion of the degree. This paper is completed through the requirements within the Project Writing I and II courses. The initial step is the selection of a faculty approved topic on which to prepare a state of the science paper. Students must enroll in NURS 5220 I and II, followed by NURS 5220 I and II sequentially over two consecutive terms for 3 hours each semester - a total of six hours.

On-campus Requirements: All students will be required to report to campus for a maximum of three times during their course of study. This includes a Research Day presentation (spring semester), a Project Writing presentation (semester enrolled in final Project Writing course) and comprehensive examination (taken final semester of study).

Program of Study

Degree: Masters of Science

Major: Nursing

Concentrations:

Nursing Education

Holistic Nursing

Family Nurse Practitioner

The master's program offered by the Division of Nursing includes three concentrations: Nursing Education, Holistic Nursing, and Family Nurse Practitioner. These programs are designed to prepare advanced practice nurses for education and practice. Prior graduate work and the individual student's interest and career goals will be considered in planning the program of study for each candidate.

Program Courses

Core Curriculum Required Courses (19* - 22 hours)

- NURS 5000 - Nursing Theory (3) **CIP:**
- NURS 5020 - Research in Nursing Practice (3) **CIP:**
- NURS 5040 - Role of Development: Theory and Practice (3) **CIP:**
- NURS 5070 - Health Policy for Advanced Practice Nurses (3) **CIP: ***
- NURS 5210 - Pathophysiology (3) **CIP:**
- NURS 5100 - Advanced Health Assessment (3) **CIP:**
- NURS 5280 - Pharmacotherapeutics (3) **CIP:**
- NURS 5111 - Advanced Health Assessment Clinical (1) **CIP:**

Note:

*Not required for Nursing Education Concentration

Concentration III: (14 hours) - Holistic Nursing

- NURS 5080 - Holistic Nursing Perspective (3) **CIP:**
- NURS 5170 - Holistic Nursing Interventions (3) **CIP:**
- NURS 5180 - Advance Holistic Nursing Practicum II (4) **CIP:**
- NURS 5190 - Advance Holistic Nursing Practicum II (4) **CIP:**

Certificate: Holistic Nursing

in Nursing Degree from a nationally accredited program and are interested in continuing study in Holistic Nursing may be eligible to enter post graduate studies. The three pre-requisite courses required for advanced practice nursing - Advanced Assessment (4 hours), Advanced Pathophysiology (3 hours), and Advanced Pharmacology (3 hours) - will need to be completed before beginning the Holistic Nursing concentration and may be transferred from the previous graduate degree if completed no more than five (5) years prior to TSU enrollment. If the MSN program from which the applicant graduated did not include all three courses, the three advanced courses may be taken through Tennessee State University before beginning the Holistic Nursing coursework.

Graduation with a post-graduate certificate will require completion of Nursing NURS 5080, NURS 5170, NURS 5180, and NURS 5190. Students who choose to complete the post graduate certificate in Holistic nursing following their primary MSN degree concentration in another area of study may take Holistic Nursing courses as the electives required for the primary degree. Approved electives include Nursing NURS 5080 and NURS 5170. To earn the Holistic Nursing Post Graduate Certificate, those students will continue with Nursing NURS 5180 and NURS 5190 for a total of seven (7) additional hours to complete the requirement.

Students who hold the MSN degree from another institution in another area of advanced practice nursing will complete the fourteen (14) hours in Holistic Nursing after transferring the ten (10) pre-requisite courses.

Additional Requirements

Electives

Six hours of elective course work is required for the FNP concentration and 3 hours for the Holistic concentration. No elective course is required for the Education concentration. Students may select graduate courses they determine will meet their educational goals and complement the required course offerings. Approval by the nursing advisor is required.

Scholarly Project (6 hours)

- NURS 5220 I and II - Project Writing (6) **CIP:**

Concentration Required Credits

Total of 49 credits for FNP

Total of 45 credits for Holistic

Total of 45 credits for Nursing Education

Nursing, Nursing Education Concentration, M.S.N.

Nursing Major

Statement of Purpose

The curriculum of the Masters of Science in Nursing (MSN) program is based on the philosophy of the University and the Division of Nursing. The purpose of the master's degree program is to prepare nurses for advanced clinical practice and for nursing leadership and teaching positions in both university and alternative/complimentary clinical health care settings. The MSN curriculum is organized to support students' progressive learning of advanced nursing knowledge and skills. The major concepts of the curriculum cover advanced practice nursing roles, holistic health care, theory, evidence based practice, ethical, legal, and policy health care issues, and nursing education theory and practice.

The program is designed to ensure students are knowledgeable in these areas:

1. Nursing theory and research concepts and their application to practice;
2. Advanced clinical practice; and
3. Role competence

The program provides for a range of electives that complement the area of concentration. The master's program provides the foundation for doctoral study.

Students can transfer in up to six (6) hours of previous graduate level courses or choose two elective courses that support their individual educational goals based on concentration of study. There is also the opportunity to carry out independent research (thesis) or to complete a guided Scholarly project. The master's program provides the foundation for doctoral study.

The MSN Program is accredited by the Accreditation Commission for Education in Nursing (ACEN), The ACEN may be contacted at 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org. The program also holds full approval status by the Tennessee Board of Nursing, which can be reached at 665 Mainstream Drive, 2nd Floor Nashville, TN 37243, 615-532-5166.

Program Outcomes

The MSN Program will:

1. Facilitate successful student completion of the selected program of study.
2. Prepare graduates for successful certification at the national level.
3. Achieve alumni satisfaction with the program in preparing the graduate for selected roles.
4. Achieve employer satisfaction with graduate preparation for entry-level positions.
5. Facilitate graduate employment as related to the role preparation provided.

Student Learning Outcomes

Upon completion of the MSN Program, the student will be able to:

1. Conduct comprehensive and systematic assessments as a foundation for decision-making.
2. Transfer and apply knowledge of illness and disease management for the provision of safe evidence-based care to diverse populations.
3. Synthesize epidemiological, social, and environmental data in drawing inferences regarding the health status of various populations and interventions to promote and preserve health and healthy lifestyles.
4. Operationalize knowledge and skills in education, economics, business principles, and systems in the evaluation of interventions.

Graduate Role Specific Competencies

Upon completion of the selected concentration within MSN Program, the student will be able to:

Family Nurse Practitioner Concentration:

1. Critically analyzes data and evidence for improving advanced nursing practice which Integrates knowledge from the humanities and sciences within the context of nursing science. Uses best practices available evidence to continuously improve quality of clinical practice of the Advanced Practice Nurse.
2. Demonstrates an understanding of the interdependence of policy and practice.
3. Provides the full spectrum of health care services to include health promotion, disease prevention, health protection, anticipatory guidance, counseling, disease management, palliative, and end-of-life care that uses advanced health assessment skills to differentiate between normal, variations of normal and abnormal findings.
4. Prescribed medications within scope of practice.

Nursing Education Concentration: (Currently On Hold)

1. Demonstrate effective development of curriculum which integrates sound educational principles, theory and research.
2. Effectively apply a variety of evidence based teaching strategies appropriate to learner needs, desired learner outcomes, content, and context.

3. Implement evidence based assessment and evaluation strategies that are appropriate to the learner and to learning outcomes inclusive of cognitive, psycho motor, and affective domains.

Holistic Nursing Concentration:

1. Recognize the totality of the human being and how this influences healing, patient care, and patient self-care.
2. Integrate self-care, self-responsibility, spirituality, and reflection in their lives allowing a greater awareness of the interconnectedness and its relationship to the healing process.
3. Provides leadership in holism for health care providers and system.

Admission

Students in the graduate nursing program must meet the university admission, candidacy, and graduation requirements as listed in the Graduate Catalog, as well as admission requirements to the MSN Program. Students should review the Graduate Catalog for university requirements and policies. Admission to the program occurs each summer, fall, and spring semester.

Applicants who have completed graduate level nursing courses at another institution need to have earned at least a grade of "B" in each course to be eligible for admission. Individuals who have previously earned grades of less than "B" in any graduate nursing course at another institution are not eligible for admission to the TSU MSN program.

Transfer of Graduate Level Nursing Courses

Students transferring from another graduate nursing program must submit a transcript and a letter of good standing from the dean/director of the previous nursing program. Graduate level nursing courses completed at other institutions, with grades of at least "B" will be evaluated on an individual basis. A maximum of twelve (12) hours may be transferred with approval, but must have been taken within six (6) years of the anticipated graduation date from Tennessee State University.

Application Materials

The application process for the Tennessee State University (TSU) MSN program must be completed through the Nursing Centralized Application Service (NursingCAS). Applicants should submit all the required application materials by April 1st for summer admission, August 1st for fall admission, and December 1st for spring admission.

Required materials include:

1. Completed Graduate School Application with fee.
2. Three letters of professional reference. References should be from faculty members, professional colleagues, or work supervisors who can evaluate your potential for success in a graduate program.
3. Official transcripts from **all** previous colleges.
4. Resume that includes documentation of community service, continuing education (CEUs), and professional organization memberships.
5. Photocopy of current RN license.

6. AHA BLS health provider certification.
7. A written statement of professional goals, upon completion of the MSN degree, maximum of one (1) page, double spaced and typed. This section must specifically include the specialty you wish to pursue (FNP, Nursing Education, or Holistic Nursing).
8. Personal record of health immunizations.
9. A criminal background check and drug screen, and student professional practice liability insurance, are required before starting clinical courses.

Plan of Study Appointment

An appointment with the student's designated faculty advisor is required (by phone, email, or in person) prior to enrollment in the first class and each semester thereafter in order to create and review a plan of study for each student.

Requirements for Unconditional Admission to the MSN Program

Admission to the program will be based on space availability through competitive selection from the pool of applicants.

Requirements for unconditional admission are:

1. Admission to Tennessee State University as a MSN degree seeking student.
2. Graduation from an NLNAC, ACEN, or CCNE accredited baccalaureate nursing program, with an overall GPA minimum of 3.0 or higher (on a 4.0 scale) is required.
3. A current unencumbered R.N. license (the state in which clinical will be completed).
4. Submission of all materials required within the MSN Program application to NursingCAS.

Requirements for Unconditional Admission to the Post MSN Certificate Program

1. Admission to Tennessee State University.
2. Graduation from an NLNAC, ACEN, or CCNE accredited master's or doctoral program in nursing.
3. An overall graduate level GPA minimum of 3.0 or higher on a 4point scale is required for admission for a post master's certificate.
4. A current unencumbered Tennessee R.N. license (or the state in which clinical will be completed).
5. Submission of all materials required within the MSN Program application packet.

Requirements for Conditional Admission to the MSN Program

Students who do not meet the unconditional admission requirements may be considered for conditional admission pending space availability if they can demonstrate graduate potential by other means.

1. Admission to Tennessee State University as a MSN degree seeking student.
2. Graduation from an NLNAC, ACEN, or CCNE accredited baccalaureate nursing program with an overall GPA minimum of 2.5 or higher (on a 4.0 scale) is required.

3. A current unencumbered Tennessee R.N. license (or the state in which clinical will be completed).
4. Submission of all materials required within the MSN Program application packet.

Students who are admitted conditionally must meet the following requirements to be considered for unconditional admission status:

- A grade of B or above on 9 hours of graduate coursework. If they received a grade of C on any of these hours they were not admitted to candidacy.

Process for Change of Status from Conditional to Unconditional Admission

Students must meet all the requirements for transition from conditional to unconditional admission before taking courses beyond nine hours in the major. Students who have completed this requirement are reviewed by the Admission Committee to be approved for change of status.

Special Requirements

Special requirements before entering the MSN clinical courses include record of health immunization, current Health Care Provider-BLS certification, student liability insurance, and personal health insurance. An agency approved criminal background check and drug screening are required before starting clinical courses. In addition the clinical site must be approved by faculty and a fully executed clinical affiliation agreement with the university is required.

Criminal Background Checks and Drug Screening

A criminal background check and drug screening are required. Based on the results of these checks a clinical site may determine not to allow a student at their facility. This could result in the inability to successfully complete program requirements. Additionally, a criminal background may preclude licensure, certification, or employment. Students are expected to cooperate fully with the process and pay all associated costs. Tennessee State University and the Division of Nursing are not liable if the results of a criminal background check or a drug screening indicates that a student is unable to complete the requirements of the program or if such results preclude one from obtaining licensure or employment.

Retention and Progression

A grade of B or higher denotes successful completion of a course within the MSN Program. Within the MSN Program, a student may receive a grade of C one time within their program of study and be allowed to repeat the course one time to achieve a B or higher. The receipt of a second grade of C in the repeated or any other nursing course, or any single grade of D or F within a nursing course will result in the student being ineligible to progress or remain in the program. In addition to the MSN Program Retention and Progression Policy, each student is required to comply with the Graduate School Retention Policy.

In order to graduate, students must have a minimum 3.0 grade point average overall and in the program of study. When the cumulative grade point average falls below 3.0, the graduate student will be placed on academic probation. If the student does not achieve a 3.0 cumulative grade point average at the conclusion of one probationary semester, the Dean of the Graduate School and appropriate college/department/program officials will determine whether the student should be dismissed from the graduate school or continued on probation. No student will be allowed more than two probationary semesters, whether consecutive or cumulative. At the end of a

second probationary semester a student whose cumulative grade point average is still below 3.0 will be dismissed from the graduate school and subsequent program of study. A student will be removed from probationary status upon attaining a cumulative 3.0 grade point average.

Academic disqualification from the graduate nursing major will also occur when the student:

- Willfully misrepresents preceptor evaluations; patient data; patient or preceptor data, or any record related to clinical practice
- Engages in clinical activity prior to faculty approval of the preceptor or a fully executed clinical affiliation agreement is completed and the student notified
- Places any patient or individual in the clinical setting in physical or emotional jeopardy
- Is placed on probation by their State Board of Nursing
- Fails to disclose a felony conviction
- Fails to disclose disciplinary action or diversion by the State Board of Nursing
- Fails to complete all degree requirements within six (6) years of entering graduate nursing coursework

Readmission

Readmission applies to those students who have not been in continuous enrollment in the Graduate School. For example, students who did not enroll in courses during fall or spring semester of a given academic year must reapply for admission to the Graduate School. If reapplication is not within a year of the initial entry semester or offer of admission the applicant must submit a **full application**. The procedures for readmission:

Completed the application for readmission through the Nursing Centralized Application Service (NursingCAS).

Candidacy and Graduation

Students must meet all the University Graduate School and Division of Nursing requirements for candidacy and graduation. Students must complete and file the 'Candidacy' form following the first nine hours of completed coursework. Additionally students must complete and file the Intent to Graduate form with the Graduate School the semester prior to the semester of degree completion.

All students must successfully complete a comprehensive examination as required by the Graduate School. The examination will consist of a proctored examination for each concentration area.

Financial Assistance

Upon acceptance into the graduate program, students may apply for available stipends or financial aid. Full-time students (taking 9 hours each semester) may apply for graduate assistantships.

Curriculum Requirements

All coursework within a required concentration must be completed in the prescribed sequence as indicated by pre-requisites and co-requisites. Students are required to meet with their faculty advisor before registering for courses each and every semester.

The goal of the master's program is to prepare individuals to educate others and to prepare professional nurses with knowledge, skills, and values to provide advanced, holistic comprehensive clinical nursing care to individuals and families with complex health care problems in primary health care settings.

The FNP curriculum provides a core of specialized nursing and general knowledge as a foundation for advanced family health nursing practice.

The Holistic Nursing concentration provides in depth study of self-care, complementary and alternative therapies, healing practices, and holistic specialization.

The Nursing Education concentration (**currently on-hold**) is designed to provide students the opportunity to obtain the theory skill and experience to teach within the college or university setting or within the education department of a clinical facility.

Students identify and work towards achieving their individual career goals. Clinical preceptors and specialized courses assist the student to focus on the knowledge and skills needed for their area of advanced nursing practice. Graduates of the FNP program concentration are educationally eligible to become certified as family nurse practitioners. Graduates of the Holistic Concentration are educationally prepared to become certified as Advanced Holistic Nurses. Graduates of the Nursing Education concentration are educationally prepared to become certified as nurse educators.

Content is organized and sequenced to assist students to move from a general knowledge base to one that is more complex and specialized. The program consists of four (4) semesters plus one 10 week summer term of full-time study with 45 credits required for the Nursing Education concentration, 45 credits required for the Holistic Nursing concentration, and 43 credits required for the Family Nurse Practitioner concentration. A clinical or education practicum, field study, development of a Scholarly State of the Science Paper (via Project Writing Courses) and completion of a comprehensive examination are requirements of each concentration.

All students take the foundational courses first which provide advanced knowledge, experiences, and competencies in nursing research, current and emerging theories, roles, ethical decision making and management of health care information. Nursing theory and research are placed before the clinical courses in order for students to integrate knowledge and evidence into their teaching and or advanced clinical practice. Each credit hour of didactic teaching equals one 55 minute class period per week.

The allocation of course credits to theory and clinical is based on course content and objectives, and required learning activities. Clinical hours are specific to selected specialty courses and are scheduled across the designated semester(s). Students have the option of full time or part time study.

Scholarly Project

Each student in the MSN program must complete a scholarly state of the science paper as a partial fulfillment of the requirements for the completion of the degree. This paper is completed through the requirements within the Project Writing I and II courses. The initial step is the selection of a faculty approved topic on which to prepare a state of the science paper. Students must enroll in NURS 5220 I and II, followed by NURS 5220 I and II sequentially over two consecutive terms for 3 hours each semester - a total of six hours.

On-campus Requirements: All students will be required to report to campus for a maximum of three times during their course of study. This includes a Research Day presentation (spring semester), a Project Writing presentation (semester enrolled in final Project Writing course) and comprehensive examination (taken final semester of study).

Program of Study

Degree: Masters of Science

Major: Nursing

Concentrations:

Nursing Education

Holistic Nursing

Family Nurse Practitioner

The master's program offered by the Division of Nursing includes three concentrations: Nursing Education, Holistic Nursing, and Family Nurse Practitioner. These programs are designed to prepare advanced practice nurses for education and practice. Prior graduate work and the individual student's interest and career goals will be considered in planning the program of study for each candidate.

Program Courses

Core Curriculum Required Courses (19* - 22 hours)

- NURS 5000 - Nursing Theory (3) **CIP:**
- NURS 5020 - Research in Nursing Practice (3) **CIP:**
- NURS 5040 - Role of Development: Theory and Practice (3) **CIP:**
- NURS 5070 - Health Policy for Advanced Practice Nurses (3) **CIP: ***
- NURS 5210 - Pathophysiology (3) **CIP:**
- NURS 5100 - Advanced Health Assessment (3) **CIP:**
- NURS 5280 - Pharmacotherapeutics (3) **CIP:**
- NURS 5111 - Advanced Health Assessment Clinical (1) **CIP:**

Note:

*Not required for Nursing Education Concentration

Concentration I: (20 hours) - Nursing Education

- NURS 5230 - Organizational Operations: The Faculty Role (3) **CIP:**
- NURS 5250 - The Education Process (4) **CIP:**
- NURS 5270 - Curriculum Development and Implementation (5) **CIP:**

Clinical Option Courses-Choose One Specialty Group

- NURS 5290 - Psychiatric Nursing I (4) **CIP:**
- NURS 5300 - Psychiatric Nursing II (4) **CIP:**

or

- NURS 5320 - Adult Health Nursing I (4) **CIP:**
- NURS 5340 - Adult Health Nursing II (4) **CIP:**
- or
- NURS 5360 - Women's Health Nursing (4) **CIP:**
- NURS 5380 - Pediatric Health Nursing (4) **CIP:**

Certificate: Nursing Education

Nurses who hold a Master of Science in Nursing degree from a nationally accredited program and are interested in continuing study in Nursing Education may be eligible to enter postgraduate studies. The three pre-requisite courses required for advanced practice nursing - Advanced Assessment (4 hours), Advanced Pathophysiology (3 hours), and Advanced Pharmacology (3 hours) - will need to be completed before beginning the Nursing Education concentration and may be transferred from the previous graduate degree if completed no more than five (5) years prior to TSU enrollment. If the MSN program from which the applicant graduated did not include all three courses, the three advanced courses may be taken through Tennessee State University before beginning the Nursing Education coursework. Graduation with a post-graduate certificate will require completion of Nursing NURS 5230, NURS 5250, NURS 5270, and two of the clinical option courses that allow specialization in either Adult Health Nursing (NURS 5320 and NURS 5340), or Psychiatric Nursing (NURS 5290 and NURS 5300), or Women's Health/Pediatric Nursing (NURS 5360 and NURS 5380).

TSU students who choose to complete the postgraduate certificate in Nursing Education following their primary MSN degree concentration in another area of study may take Nursing Education courses as the electives required for that degree. Approved electives include Nursing NURS 5230 and NURS 5250. To earn the Nursing Education Post Graduate Certificate, those students will continue with Nursing NURS 5270, and two of the clinical option courses - a total of 13 additional hours to complete the requirement.

Students who hold the MSN degree from another institution in another area of advanced practice nursing will complete the five (5) Nursing Education courses required by Tennessee State University, transferring the ten (10) hours of pre-requisite courses in Assessment, Pathophysiology, and Pharmacology if previously earned.

Additional Requirements

Electives

Six hours of elective course work is required for the FNP concentration and 3 hours for the Holistic concentration. No elective course is required for the Education concentration. Students may select graduate courses they determine will meet their educational goals and complement the required course offerings. Approval by the nursing advisor is required.

Scholarly Project (6 hours)

- NURS 5220 I and II - Project Writing (6) **CIP:**

Concentration Required Credits

Total of 49 credits for FNP
Total of 45 credits for Holistic
Total of 45 credits for Nursing Education

Department of Occupational Therapy

Rita Troxel, OTD, OTR/L, ALC, CPAM, Department Chair

Office: 362A Clement Hall

(615) 963-2152

troxtel@state.edu

Major: Occupational Therapy (OCCT)

Degree: Master of Occupational Therapy (MOT)

Occupational therapy is the only profession that helps people across the lifespan to do the things they want and need to do through the therapeutic use of daily activities (occupations).

Occupational therapy practitioners enable people of all ages to live life to its fullest by helping them promote health, and prevent or live better with injury, illness, or disability.

Common occupational therapy interventions include helping children with disabilities to participate fully in school and social situations, helping people recovering from an injury to regain skills, and providing supports for older adults experiencing physical and cognitive changes. Occupational therapy services typically include:

- individualized evaluation, during which the client/family and occupational therapist determine the person's goals,
- customized intervention to improve the person's ability to perform daily activities and reach the goals, and
- outcomes evaluation to ensure that the goals are being met and/or make changes to the intervention plan.

Occupational therapy practitioners have a holistic perspective, in which the focus is on adapting the environment and/or task to fit the person, and the person is an integral part of the therapy team. It is an evidence-based practice deeply rooted in science.

(<https://www.aota.org>)

About Occupational Therapy Practitioners

Occupational Therapy practitioners are skilled healthcare providers whose education consists of didactic coursework related to human growth and development with specific emphasis on the social, emotional, and physiological effects of illness and injury. Interactive lab experiences in the classroom followed by fieldwork experiences in clinical environments reinforce the didactic coursework.

Currently, the occupational therapy practitioner enters the field with a master or doctoral degree. According to the American Occupational Therapy Association, Inc. (AOTA) website, OT practitioners work in a variety of areas including productive aging, rehabilitation and disability, children and youth, work and industry, and health and wellness.

Dr. Amy Jo Lamb, current president of the AOTA, recently stated, "Of critical importance is being able to define, articulate, demonstrate and document the distinct value of occupational

therapy. This has been a part of our professional dialogue for over fifty years and as we approach our 100th year it is time we step forward to the challenge."

(<https://otpotential.com/blog/2015/2/16/amy-jo-lamb-otd-otrl-faota>)

Recent information published by the U.S. Department of Labor's Bureau of Labor Statistics reveals that the job outlook for occupational therapists is expected to grow faster than average, or over 24% from 2016-2026 with occupational therapists treating people with various illnesses and disabilities, such as autism, Alzheimer's disease, or traumatic brain injury (<https://www.bls.gov/ooh/healthcare/occupational-therapists.htm>). For more information about a career in Occupational Therapy, please refer to the AOTA's website, www.aota.org.

Upon completion of all requirements, students will be eligible to sit for the national certification examination offered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this examination, the individual will be an Occupational Therapist, Registered (OTR) and will meet the educational requirements for States licensure in the United States.

The Master of Occupational Therapy Program at Tennessee State University is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). Additional information is available from the ACOTE Website (www.acoteonline.org).

Master of Occupational Therapy

Occupational Therapy (OCCT), M.O.T.

MOT Admission Requirements

Program admission is made through the Graduate School of Tennessee State University. Meeting the minimum admission requirements does not guarantee admission due to the competitive nature of the MOT program. In addition to the general requirements of the Graduate School, documentation of the following is required:

- A. Completion of an undergraduate degree with a minimum GPA of 3.0 on a 4.0 scale
- B. Completion of the following prerequisite courses within the last 10 years with a minimum grade of "C" (C- cannot be accepted). Six of the nine courses must be completed by November 15, in order to apply for the following fall classes.
 - 1. General Psychology (3 credits)
 - 2. Abnormal psychology (3 credits)
 - 3. Developmental psychology covering the lifespan (3 credits)
 - 4. Anatomy and Physiology I with lab (4 credits)
 - 5. Anatomy and Physiology II with lab (4 credits)
 - 6. Statistics (3 credits)
 - 7. Medical Terminology (1-3 credits)
 - 8. Physics with lab (4 credits)
 - 9. An introductory course in sociology or anthropology (3 credits)

C. Completion of the GRE within the last 5 years:

1. Minimum of 292 or above for both verbal and quantitative reasoning
2. 3.5 or above for analytical writing

D. Completion of a minimum of 30 hours of observation, volunteer, or work experience with an occupational therapist (OTR) in at least two different units or programs. Observing an Occupational Therapy Assistant is not acceptable in meeting this requirement.

E. Submission of a minimum of three (3) professional references and/or letters of recommendation.

Please note:

A felony conviction may affect a graduate's ability to sit for the NBCOT Certification Examination and/or to attain state licensure.

MOT Retention Policy

Students must maintain a minimum cumulative GPA of "B" or 3.0 on a 4.0 system in order to graduate. Any course attempts resulting in a grade of less than "C" will be allowed to be repeated once and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purposes of improving grades. The MOT program is designed as a lock step program. Therefore, any student who receives a grade of less than "C" in any course will be required to retake that course when it is offered during the next academic year. Other courses in the curriculum cannot be taken out of sequence.

Any student who does not achieve a 3.0 overall GPA for one semester will be placed on academic probation and the student is given the opportunity to raise his or her GPA to a 3.0 the following semester. If the student does not achieve the 3.0 GPA in the identified semester, he or she will be dismissed from the MOT program. Students may file an appeal for readmission, but students are only allowed one appeal for readmission. The appeal needs to follow the established process noted in the Graduate Catalog.

A comprehensive examination, which consists of written and practical components, must be passed with a score of 75% or better before the student can enroll in OCCT 6904 or OCCT 6914. The exam may be attempted twice. If a student is not successful in achieving a minimum score of 75% on the second attempt, he or she will be dismissed from the MOT program. Any need to repeat the exam will require retaking both parts because the comprehensive exam is considered one exam with two parts.

Program of Study

Core Courses: Professional Curriculum Seventy two (72) Hours

Year 1

- OCCT 5110 - Anatomy (4) **CIP:**
- OCCT 5000 - Fieldwork Seminar (1) **CIP:**
- OCCT 5010 - Foundations of Occupational Therapy (1) **CIP:**
- OCCT 5050 - Occupational Analysis (3) **CIP:**
- OCCT 5160 - Psychosocial Dysfunction (3) **CIP:**

- OCCT 5170 - Psychosocial Dysfunction Applied (2) **CIP:**
- OCCT 5180 - Biomechanics (3) **CIP:**
- OCCT 5120 - Neurobiology (3) **CIP:**
- OCCT 5250 - Pediatric Lecture (3) **CIP:**
- OCCT 5251 - Pediatric Lab (2) **CIP:**
- OCCT 5254 - Pediatric Practicum (1) **CIP:**
- OCCT 5560 - Physical Dysfunction I (3) **CIP:**
- OCCT 5561 - Physical Dysfunction I Lab (2) **CIP:**
- OCCT 5564 - Physical Dysfunction I Practicum (1) **CIP:**
- OCCT 5760 - Administration & Leadership in Occupational Therapy (3) **CIP:**
- OCCT 5900 - Analysis of Research (2) **CIP:** (3)

Year II

- OCCT 5660 - Research I (3) **CIP:**
- OCCT 6560 - Physical Dysfunction II (3) **CIP:**
- OCCT 6561 - Physical Dysfunction II Lab (2) **CIP:**
- OCCT 6554 - Physical Dysfunction II Practicum (1) **CIP:**
- OCCT 5450 - School-Based Occupational Therapy (3) **CIP:**
- OCCT 5860 - Research II (3) **CIP:**
- OCCT 5421 - Clinical Practice (2) **CIP:**
- OCCT 6810 - Modalities in Occupational Therapy (3) **CIP:**
- OCCT 5400 - General Diagnoses (3) **CIP:**
- OCCT 6904 - Internship I/First Level II Fieldwork Experience (6) **CIP:**

Year III

- OCCT 6914 - Internship II/Second Level II Fieldwork Experience (6) **CIP:**

Electives

- OCCT 6820 - Sensory Processing and Integration (1) **CIP:**
- OCCT 6830 - Assistive Technology (1) **CIP:**
- OCCT 6840 - Independent Study (1) **CIP:**

Department of Physical Therapy

Ronald De Vera Barredo, PT, D.P.T., Ed. D., Department Chair
Office: 368 Clement Hall
(615) 963-5932
rbarredo@tnstate.edu

Major: Physical Therapy (PHTH)**Degree: Doctor of Physical Therapy (D.P.T.)**

Physical therapists are health care professionals who apply knowledge and skills from the basic clinical and behavioral sciences to prevent or correct acute and chronic physical disorders. Physical therapists design and implement treatment programs to assist patients in achieving maximum levels of independence. This is achieved through the prevention of or adaptation to disability, restoration of function, relief of pain, and promotion of healing. Physical therapists work in a variety of settings with other members of the health care team. These settings include hospitals, outpatient clinics, nursing homes, home health agencies, rehabilitation centers, private clinics, and schools.

The physical therapy program at Tennessee State University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE).

Philosophy

The DPT program at Tennessee State University recognizes the reciprocal and responsive nature of professional education, where both the learner and the educator collaborate as partners in the learning process. Inherent in the relationship is the primacy of the learner and the facilitative role of the educator as together they embark on a process of professional education.

Statement of Principles

Integral to the educational partnership is the recognition and acknowledgment of the roles, rights, and responsibilities unique to and common between the learner and the educator. The learner is expected to develop and exhibit characteristics of adult learners including, but not limited to, being problem-centered, willing to learn, and being self-directed. The learner is also expected to be a change agent willing to challenge habituated thoughts and practices as physical therapy moves toward the doctoring profession. The educator is expected to uphold high academic standards, respect learner diversity, be role models of professional behavior, and create an environment conducive for effective learning to occur.

Mission

The Mission of Department of Physical Therapy is to graduate competent entry-level physical therapists who demonstrate cultural competence, apply research evidence to practice, uphold the code of ethics, value lifelong learning, and engage in socially responsible community leadership.

Goals and Outcomes

1. Program:
 - a. To maintain accreditation as an educational program preparing physical therapists who embody the mission statement
 - b. To promote diversity in the physical therapy profession by increasing the number of physical therapists from underrepresented populations
 - c. To foster a community of scholar-practitioners between and among the academic faculty, clinical faculty, and students who serve the community
2. Faculty:
 - a. To engage in a continual process of improvements in teaching

- b. To exercise professional and social responsibility by participating in institutional, professional, and community service
 - c. To engage in scholarly endeavors which contribute to the body of knowledge of the profession
- 3. Students: At the end of the Physical Therapy program, graduates will be able to:
 - a. pass the National Physical Therapy Examination
 - b. use the principles of evidence-based practice
 - c. communicate and collaborate effectively and confidently in the health care community
 - d. provide therapy to a diverse population with respect for patient differences
 - e. practice in a safe, legal, and ethical manner
 - f. practice autonomously within the scope of practice
 - g. demonstrate competence as a generalist entry-level physical therapist
 - h. make decisions related to patient care using reflective critical thinking
 - i. serve as compassionate practitioners and patient advocates
 - j. display leadership and professionalism
 - k. engage in lifelong learning
 - l. provide community service

Doctor of Physical Therapy

Physical Therapy (PHTH), D.P.T.

Physical Therapy Major

Admission Requirements

Admission to the DPT program at TSU is a competitive process with admission to the program occurring once annually. A maximum of 36 students are enrolled in each class. A Bachelor's degree is required by the end of the spring semester in the year you expect to start the PT program.

The Department of Physical Therapy participates in the Physical Therapist Centralized Application Service, known as PTCAS. Applicants applying to the entry-level professional physical therapist program will apply online using the PTCAS application. To learn more about the PTCAS application process, please visit the PTCAS web site at www.ptcas.org. Completed applications will be reviewed and admissions will be granted to qualifying applicants.

The Early Decision Option in PTCAS was eliminated in January 2020. All persons applying for the DPT program at TSU beginning with the 2020-21 cycle will apply using Regular Application.

The application submission period begins in July when PTCAS opens the application portal.

The deadline for applications is October 1.

To be considered for admission to the program, applicants must have:

1. A baccalaureate degree.
 - a. Official transcripts are required from all institutions attended. Transcripts are to be submitted to PTCAS, not the University.
 - b. Posting of the baccalaureate degree must appear on your final undergraduate transcript.
2. Completed application to the Graduate School and payment of application fee.
3. A minimal prerequisite GPA of 3.0 is required. We do not consider overall GPA in our admissions decisions.
4. Successful completion (C or better) of the following pre-requisite courses.
 - a. Two (2) Biology courses with corresponding labs
 - b. Two (2) Chemistry courses with corresponding labs
 - c. Two (2) Physics courses with corresponding labs OR One (1) Physics course and a Movement Science course (i.e. Biomechanics, Kinesiology).
 - d. Human Anatomy (or Anatomy and Physiology I and II in lieu of separate Anatomy and Physiology courses)
 - e. Physiology (may be a general physiology or an exercise physiology course)
 - f. Math-at least a level of math required to take Physics I
 - g. Statistics/ Elementary Statistics
 - h. Two (2) Psychology courses OR One (1) Psychology course and One (1) Philosophy/Logic (or equivalent) course
5. The Admissions Committee may consider the substitution of similar/upper level courses for the required pre-requisites.

Note: Prerequisite Course Substitutions: For information regarding substitutions/specific courses that fulfill the above prerequisites, please visit the Tennessee State University homepage on PTCAS.

6. The GRE score must be submitted to PTCAS using the Code = 7759. A minimum score of 150 in the Quantitative section and a minimum score of 150 in the Verbal section of the GRE are required.
7. A minimum of 40 hours of documented observation in at least two different physical therapy clinical settings. Settings may include acute, long-term rehabilitation, out-patient, skilled nursing facility, and/or home health. Your observation hours must be documented in your PTCAS application.
8. Minimum of 2 letters of recommendations-one must be from a physical therapist. Recommendations must be submitted through PTCAS.
9. Interview with the faculty (Invitations for interview are based on applicant prerequisite GPA and GRE scores).

10. Written essay that assures proficiency in the ability to write, demonstrating analytical ability, appropriate grammar, punctuation, and spelling. Essay is completed during the onsite interview-Please do not send an essay with your application.

The application deadline is October 1.

Students who expect to complete a Bachelor's degree in Spring just before beginning the program may be accepted pending the receipt of official transcripts including the degree earned. Incomplete applications may result in your application being declared incomplete and result in non-admittance to the program.

International Students: Applicants with international undergraduate degrees should review the information outlined in the International Student Admission page of the Tennessee State University website and consult the appropriate sections of the Graduate Catalog.

Applicants who have been recommended to the Graduate School for acceptance into the DPT program are required to pay a non-refundable \$250.00 reservation fee to secure their slot in the program. The reservation fee goes toward the cost of tuition once the applicant matriculates into the program.

Application Procedures

1. Admission to the Physical Therapy program requires all students to submit an Application form along with a payment of a \$35.00 non-refundable application fee to Tennessee State University School of Graduate Studies and Research. It is strongly recommended that the application be submitted electronically and the fee paid on a charge card.
2. The Department of Physical Therapy participates in the Physical Therapist Centralized Application Service, known as PTCAS. Applicants applying to the entry-level professional physical therapist program apply online using the PTCAS application. To learn more about the PTCAS application process, please visit the PTCAS web site at www.ptcas.org.

Financial Assistance

Upon acceptance into the physical therapy program, students may apply for available stipends or other financial aid.

Clinical Practicum Requirements

All students accepted for admission into the graduate program in Physical Therapy must meet the following requirements prior to enrollment in the clinical practicum:

- Proficiency in medical terminology
- Documentation that they are free from communicable disease
- Tuberculosis screening and all required immunizations
- Current Cardiopulmonary Resuscitation (CPR) and Basic First Aid certification
- Health/Accident insurance coverage
- Professional student liability insurance coverage

- **Criminal Background Checks:** Criminal background checks and or drug screens may be a requirement for training at some affiliated clinical sites. Based on the results of these checks/screens, an affiliated clinical site may determine to not allow your participation in training at their facility. This could result in your inability to successfully complete the requirements of this program. Additionally, a criminal background may preclude licensure or employment.
- The following Essential Functions that give the ability to perform, whether unaided or with reasonable accommodation, the following functions for a clinical practicum:
 - Critical thinking ability sufficient for clinical judgment;
 - Interpersonal abilities sufficient to interact with individuals, families and groups from a variety of social, emotional, cultural, and intellectual backgrounds;
 - Gross and fine motor abilities sufficient to provide safe and effective physical therapy care;
 - Auditory abilities sufficient to monitor and assess health needs;
 - Visual acuity sufficient for observation and assessment necessary in physical therapy care;
 - Tactile ability sufficient for physical assessment and treatment;
 - Physical ability to assist moving, transferring and ambulating patients who have physical impairment or dysfunction.

If students are unable to perform the aforementioned essential technical functions, they have the right to request reasonable accommodations in accordance with TSU's disability policy as described in the Tennessee State University Student Handbook.

Retention

Students are required to have a cumulative GPA of 3.0 or higher to graduate from the program. If a student's cumulative GPA falls below a 3.0 during his or her tenure in the program, the student will be placed on academic probation.

1. In order to remove the probationary status, the student must attain a GPA requirement of 3.0 or higher each subsequent semester until the cumulative GPA reaches 3.0 or better.
2. If a student's GPA falls below a 3.0 while the student is on probation, the student will be dismissed

Students who withdraw from the program will be allowed to reapply for admission to a subsequent class if they wish to continue to pursue physical therapy studies. Readmission is subject to the approval of the Graduate School and the Department of Physical Therapy.

The Code of Ethics by the American Physical Therapy Association has been adopted by the Tennessee Board of Physical Therapy Examiners as the standard to which all physical therapists are subject under Rule 1150-11-14. Students in the physical therapy program are required to abide by the same standard. Students who violate the Code of Ethics and its interpretive document, the Guide to Professional Conduct, will be referred to the Physical Therapy Non-Academic Action Committee for disciplinary sanctions.

Program of Study

Year 1

Semester 1 Summer

- PHTH 5360 - Gross Anatomy (6) **CIP:**
- PHTH 5380 - Intro to Physical Therapy (1) **CIP:**
- PHTH 5330 - Psychosocial Behavioral Issues (2) **CIP:**

9 credits

Semester 2 Fall

- PHTH 5470 - Applied Physiology (3) **CIP:**
- PHTH 5480 - Biomechanics and Movement Science (5) **CIP:**
- PHTH 5440 - Human Development Across the Lifespan (2) **CIP:**
- PHTH 5421 - Tests and Measurement (2) **CIP:**
- PHTH 5450 - Patient Care Principles (2) **CIP:**
- PHTH 5590 - Research I (1) **CIP:**

15 credits

Semester 3 Spring

- PHTH 5540 - Clinical Medicine I (3) **CIP:**
- PHTH 5550 - Therapeutic Exercises (3) **CIP:**
- PHTH 5570 - Neuroscience/Neuropathology (3) **CIP:**
- PHTH 5580 - Physical Agents (3) **CIP:**
- PHTH 5590 - Research I (1) **CIP:**

15 credits

Year 2

Semester 4 Summer

- PHTH 6340 - Electrotherapeutics (2) **CIP:**
- PHTH 6350 - Clinical Medicine II (3) **CIP:**
- PHTH 6360 - Clinical Education I (3) **CIP:**
- PHTH 6390 - Research II (1) **CIP:**

9 credits

Semester 5 Fall

- PHTH 6420 - Principles of Education (2) **CIP:**
- PHTH 6440 - Cardiopulmonary (3) **CIP:**
- PHTH 6460 - Orthopedics I (4) **CIP:**
- PHTH 6470 - Neurological Pt I (4) **CIP:**

- PHTH 6490 - Research III (2) **CIP:**

15 credits

Semester 6 Spring

- PHTH 6530 - Psychosocial Behavioral Issues II (2) **CIP:**
- PHTH 6540 - Prosthetics & Orthotics (3) **CIP:**
- PHTH 6560 - Orthopedics II (4) **CIP:**
- PHTH 6570 - INeurologic Physical Therapy II (4) **CIP:**
- PHTH 6590 - Research IV (2) **CIP:**

15 credits

Year 3

Semester 7 Summer

- PHTH 7320 - Administration/Management (2) **CIP:**
- PHTH 7350 - Clinical Education III (4) **CIP:**
- PHTH 7360 - Advanced Clinical Topics I (2) **CIP:**
- PHTH 7370 - Ethical Behavior and Moral Reasoning (1) **CIP:**

9 credits

Semester 8 Fall

- PHTH 7410 - Clinical Integration Seminar (2) **CIP:**
- PHTH 7450 - Clinical Education III (6) **CIP:**
- PHTH 7460 - Advanced Clinical Topics II (2) **CIP:**
- PHTH 7470 - Health and Wellness (3) **CIP:**
- PHTH 7490 - Research V (1) **CIP:**

14 credits

Semester 9 Spring

- PHTH 7554 - Clinical Education IV (5) **CIP:**
- PHTH 7564 - Clinical Education V (5) **CIP:**
- PHTH 7570 - Dpt Clinical Case Conference (2) **CIP:**
- PHTH 7580 - Dpt Professional Issues (1) **CIP:**

13 credits

Total Credits: 113

Department of Public Health, Health Administration and Health Sciences

Rosemary Theriot, Ph.D., Department Head

Wendelyn Inman, Ph.D., Director

Office: D-415 Avon Williams Campus

(615)963 7326

winman@tnstate.edu or

rtheriot@tnstate.edu

Major: Public Health

Degree: Master of Public Health (M.P.H.)

Concentrations:

Public Health Science

Cultural Competency

Master of Public Health

Public Health, Cultural Competency Concentration M.P.H.

Public Health Major

Program Goals

The Tennessee State University Master of Public Health within the College of Health Sciences is committed to the education of students and public health professionals in practice, research, and life-long learning. The Master of Public Health Program seeks to train professionals who will work to preserve and promote the health of local, state, national, and international populations through a focus on cultural competency.

Public Health Science Concentration:

The Public Health Science Concentration emphasizes the traditional core competencies of public health to enable students to become more effective public health practitioners.

Cultural Competency Concentration:

The Cultural Competency Concentration emphasizes the core competencies of public health and provides an in-depth examination, understanding, and analysis of diverse populations. Graduates in this concentration are trained to become competent public health practitioners who will develop and implement practices, and policies that respect and respond to the cultural diversity of communities in the United States and beyond.

Admission Requirements

Applicants must possess a baccalaureate or graduate degree from an accredited college or university with a cumulative grade point average of 3.00 or higher (on a 4.00 scale) for the undergraduate degree or a graduate cumulative grade point average of 3.5 or higher in the major subject area. Graduate Record Examination (GRE) scores from within the past five years will be required for all applicants. Verbal and quantitative scores will be reviewed. Applicants who hold a doctoral degree may be exempt from the GRE requirement. Other professional school standardized test scores (for example, GMAT, MCAT, DAT, and LSAT) may be substituted for GRE scores. Applicants whose native language is not English will be expected to submit certificates of proficiency in English or a minimum score of 500 (paper test) or 173 (computer-based test), or 61 (Internet-based test) on the Test of English as a Foreign Language (TOEFL).

Three letters of recommendation are required from three individuals (at least one letter from a former instructor, professional reference, or employer) familiar with the applicant's academic background and/or interest in public health. Applicants must also submit a personal statement of approximately 500-1,000 words indicating their interests and career goals, including why the applicant wants to complete an MPH degree. Overall admission into the program is competitive; therefore, students with the strongest credentials will be selected over those who are less competitive.

A minimum of 30 semester hours of coursework must be completed in residency. Students may be allowed to take up to (9) credit hours without being fully admitted into the program. (Successful completion of the nine hours does not guarantee acceptance into the MPH program.)

Program Requirements

1. Students are required to maintain a grade point average of at least a B (3.0) in their program of study in order to maintain good standing in the MPH program.
2. Students must maintain a B or above in all required core courses. This is consistent with the University's policy of a 3.0 GPA for core courses and for the overall GPA in the program.
3. A student may receive a grade of C (2.0) in two courses only. The Program GPA and the overall GPA must be 3.0 at all times. Students will only be allowed to repeat a grade of 'C' in one course; the receipt of three grades of 'C' or any grade below 'C' is not acceptable for graduate credit and will result in automatic dismissal from the program.
4. Academic probation and dismissal will be addressed by the advisor, program director, and dean of the College of Health Sciences.
5. Students must maintain a cumulative grade point average of 3.0 at the end of each semester while a student is enrolled in coursework at Tennessee State University. In accordance with the Graduate School guidelines, any student who does not meet these conditions will be placed on probation by the program.
6. Courses applied to the MPH degree program must be approved by the director and advisor. Only one (1) core course may be transferred into the major and the course must be comparable to the required course. In addition, the core course must be taken within 3 years from an accredited program.
7. Students must complete a Public Health Field Placement Project, rather than a Thesis. This requirement is represented as PUBH 6000 in the MPH program.
8. Students in both concentrations must pass a comprehensive examination prior to graduation.

Program of Study

The MPH program requires completion of 42 semester credit hours. The Program offers two (2) tracks: Public Health Science and Cultural Competency.

Major Field Core: Both tracks, 24 hours

- PUBH 5010 - Biostatistics (3) **CIP:**
- PUBH 5020 - Environmental Health Science (3) **CIP:**
- PUBH 5100 - Principles of Epidemiology (3) **CIP:**

- PUBH 5110 - Management & Public Health Policy (3) **CIP:**
- PUBH 5120 - Behavioral Science and Public Health (3) **CIP:**
- PUBH 6000 - Public Health Field Placement (3) **CIP:**
- PUBH 6030 - Cultural Competency I (3) **CIP:**
- PUBH 6100 - Capstone Project (3) **CIP:**

Total Credit Hours 24 Hours

Concentrations(s):

Fifteen (15) credit hours are required (9 in the concentration and 6 electives) for both the Public Health Science and Cultural Competency Concentrations.

Concentration II (Cultural Competency, 15 hours)

- PUBH 6050 - Understanding Health Disparities (3) **CIP: ***
- PUBH 6220 - Race, Ethnicity, Gender, and Health Care (3) **CIP: ***
- PUBH 6300 - Cultural Competency II (3) **CIP: ***

Two (2) Program Electives-(chosen from list of recommended electives below) 6

One (1) Elective from outside of department with advisor's approval 3

*Note:

Courses with an asterisk are required for this concentration

Recommended Electives for the Public Health Science & Cultural Competency Concentrations

- PUBH 6020 - Health Communication (3) **CIP:**
- PUBH 6040 - Public Health Ethics (3) **CIP:**
- PUBH 6090 - Seminar: Critical Issues in Public Health (3) **CIP:**
- PUBH 6160 - Principles of Public Health Education (3) **CIP:**
- PUBH 6230 - HIV/AIDS and Public Health (3) **CIP:**
- PUBH 6260 - Social Marketing (3) **CIP:**
- PUBH 6270 - Multicultural Perspectives in Health and Health Care (3) **CIP:**

Note: One (1) outside elective for each concentration may be selected from, or outside of this recommended list of courses with the advisor's approval (FINA 6300, EDCI 5950, EDSE 5820/6820, MGMT 6300, etc.)

Public Health, Public Health Science Concentration M.P.H.

Public Health Major

Program Goals

The Tennessee State University Master of Public Health within the College of Health Sciences is committed to the education of students and public health professionals in practice, research, and life-long learning. The Master of Public Health Program seeks to train professionals who will

work to preserve and promote the health of local, state, national, and international populations through a focus on cultural competency.

Public Health Science Concentration:

The Public Health Science Concentration emphasizes the traditional core competencies of public health to enable students to become more effective public health practitioners.

Cultural Competency Concentration:

The Cultural Competency Concentration emphasizes the core competencies of public health and provides an in-depth examination, understanding, and analysis of diverse populations. Graduates in this concentration are trained to become competent public health practitioners who will develop and implement practices, and policies that respect and respond to the cultural diversity of communities in the United States and beyond.

Admission Requirements

Applicants must possess a baccalaureate or graduate degree from an accredited college or university with a cumulative grade point average of 3.00 or higher (on a 4.00 scale) for the undergraduate degree or a graduate cumulative grade point average of 3.5 or higher in the major subject area. Graduate Record Examination (GRE) scores from within the past five years will be required for all applicants. Verbal and quantitative scores will be reviewed. Applicants who hold a doctoral degree may be exempt from the GRE requirement. Other professional school standardized test scores (for example, GMAT, MCAT, DAT, and LSAT) may be substituted for GRE scores. Applicants whose native language is not English will be expected to submit certificates of proficiency in English or a minimum score of 500 (paper test) or 173 (computer-based test), or 61 (Internet-based test) on the Test of English as a Foreign Language (TOEFL).

Three letters of recommendation are required from three individuals (at least one letter from a former instructor, professional reference, or employer) familiar with the applicant's academic background and/or interest in public health. Applicants must also submit a personal statement of approximately 500-1,000 words indicating their interests and career goals, including why the applicant wants to complete an MPH degree. Overall admission into the program is competitive; therefore, students with the strongest credentials will be selected over those who are less competitive.

A minimum of 30 semester hours of coursework must be completed in residency. Students may be allowed to take up to (9) credit hours without being fully admitted into the program. (Successful completion of the nine hours does not guarantee acceptance into the MPH program.)

Program Requirements

1. Students are required to maintain a grade point average of at least a B (3.0) in their program of study in order to maintain good standing in the MPH program.
2. Students must maintain a B or above in all required core courses. This is consistent with the University's policy of a 3.0 GPA for core courses and for the overall GPA in the program.
3. A student may receive a grade of C (2.0) in two courses only. The Program GPA and the overall GPA must be 3.0 at all times. Students will only be allowed to repeat a grade of 'C' in one course; the receipt of three grades of 'C' or any grade below 'C' is not acceptable for graduate credit and will result in automatic dismissal from the program.

4. Academic probation and dismissal will be addressed by the advisor, program director, and dean of the College of Health Sciences.
5. Students must maintain a cumulative grade point average of 3.0 at the end of each semester while a student is enrolled in coursework at Tennessee State University. In accordance with the Graduate School guidelines, any student who does not meet these conditions will be placed on probation by the program.
6. Courses applied to the MPH degree program must be approved by the director and advisor. Only one (1) core course may be transferred into the major and the course must be comparable to the required course. In addition, the core course must be taken within 3 years from an accredited program.
7. Students must complete a Public Health Field Placement Project, rather than a Thesis. This requirement is represented as PUBH 6000 in the MPH program.
8. Students in both concentrations must pass a comprehensive examination prior to graduation.

Program of Study

The MPH program requires completion of 42 semester credit hours. The Program offers two (2) tracks: Public Health Science and Cultural Competency.

Major Field Core: Both tracks, 24 hours

- PUBH 5010 - Biostatistics (3) **CIP:**
- PUBH 5020 - Environmental Health Science (3) **CIP:**
- PUBH 5100 - Principles of Epidemiology (3) **CIP:**
- PUBH 5110 - Management & Public Health Policy (3) **CIP:**
- PUBH 5120 - Behavioral Science and Public Health (3) **CIP:**
- PUBH 6000 - Public Health Field Placement (3) **CIP:**
- PUBH 6030 - Cultural Competency I (3) **CIP:**
- PUBH 6100 - Capstone Project (3) **CIP:**

Total Credit Hours 24 Hours

Concentrations(s):

Fifteen (15) credit hours are required (9 in the concentration and 6 electives) for both the Public Health Science and Cultural Competency Concentrations.

Concentration I (Public Health Science, 15 hours) (other courses with consent of advisor)

- PUBH 6070 - Public Health and Disaster Preparedness (3) **CIP: ***
- PUBH 6160 - Principles of Public Health Education (3) **CIP: ***
- PUBH 6170 - Program Development and Evaluation (3) **CIP: ***

Two (2) Program Electives-(chosen from list of recommended electives below) 6

One (1) Elective from outside of department with advisor's approval 3

*Note:

Courses with an asterisk are required for this concentration

18 hrs + 24 hrs

Recommended Electives for the Public Health Science & Cultural Competency Concentrations

- PUBH 6020 - Health Communication (3) **CIP:**
- PUBH 6040 - Public Health Ethics (3) **CIP:**
- PUBH 6090 - Seminar: Critical Issues in Public Health (3) **CIP:**
- PUBH 6160 - Principles of Public Health Education (3) **CIP:**
- PUBH 6230 - HIV/AIDS and Public Health (3) **CIP:**
- PUBH 6260 - Social Marketing (3) **CIP:**
- PUBH 6270 - Multicultural Perspectives in Health and Health Care (3) **CIP:**

Note:

One (1) outside elective for each concentration may be selected from, or outside of this recommended list of courses with the advisor's approval (FINA 6300, EDCI 5950, EDSE 5820/6820, MGMT 6300, etc.)

Department of Speech Pathology and Audiology

Tina T. Smith, Ph.D., CCC-SLP, Chair

Avon Williams Campus

Office: 330 10th Avenue, Suite P

(615) 963-7081

tsmith31@tnstate.edu

Major: Speech and Hearing Science

Degree: Master of Science (M.S.)

The Department of Speech Pathology and Audiology offers a course of study leading to a Master of Science Degree in Speech and Hearing Science. The Master of Science degree can be obtained on-campus in a traditional format or on-line through a distance education format. Certification and licensure to practice as a Speech-Language Pathologist requires a master's degree as entry level. The Speech and Hearing Science major has a curriculum that leads to certification by the American Speech Hearing Language Association (ASHA), and licensure by the State of Tennessee's Department of Health and/or Department of Education.

Master of Science

Speech and Hearing Science, On-Campus, M.S.

Speech and Hearing Science Major

Degree Requirements

The program consists of academic and clinical requirements. The curriculum consists of forty-one (41) semester hours of required courses, six (6) semester hours of focus courses (which are required for students desiring an Education Endorsement and/or for students lacking the requisite

knowledge and coursework in Speech and Hearing Science), plus a comprehensive examination and/or thesis. The program also requires a minimum of six (6) additional credit hours of clinical practicum during which the student must obtain 400 clock hours of clinical practicum experiences under the supervision of certified clinicians (CCC-SLP or CCC-A) in nine (9) areas of speech-language assessment and intervention across the lifespan. Students entering the program are required to have (1) a degree in Speech Language Pathology or (2) the required prerequisite courses. Students plan their curriculum in consultation with an advisor. For employment in the school system, graduate students may complete requirements for licensure by the State Department of Education. These requirements are in addition to those required for the degree. The curriculum emphasizes both classroom and clinical experiences necessary for a comprehensive understanding of normal communicative processes, including reception, integration, and expression.

It emphasizes in-depth analyses of communicative and swallowing disorders, giving special attention to techniques for diagnosis, remediation, and management. Supervised clinical observation and practicum experiences in speech-language pathology and audiology are an integral part of the curriculum. To meet requirements for graduation, students must obtain the minimum number of required clinical clock hours for ASHA certification.

Twenty-five hours of observation and 50 clinical hours completed at the undergraduate level can be applied toward ASHA certification requirements. All observation and clinical clock hours amassed at the undergraduate level must be obtained under the supervision of an ASHA certified member.

Practicum experiences, applicable toward ASHA certification, are provided on-campus at the TSU Speech and Language Clinic where diagnostic and clinical services are offered to children and adults in the Middle Tennessee area. Students are also assigned to off-campus practicum sites to obtain diverse experience through the Department's affiliations with school systems, child-care centers, habilitation and rehabilitation facilities, hospitals, and health-care facilities.

The Master of Science Program in Speech and Hearing Science is accredited by the Council on Academic Accreditation (CAA) in Speech-Language Pathology of the American-Speech-Language-Hearing Association (ASHA). ASHA implemented new Standards for the Certificate of Clinical Competence in Speech-Language Pathology effective 2014. Students may be required to take additional prerequisite coursework in order to provide evidence of knowledge and skills required for certification.

Essential Functions

The Department of Speech Pathology and Audiology has created a list of Essential Functions which are task-and attribute-based criteria needed to successfully achieve professional entry-level competencies. The Essential Functions of Speech-Language Pathologists establishes the expectations and requisite abilities considered necessary in the field of speech-language pathology.

Below are the essential functions that individuals must possess either independently or with reasonable accommodations.

1. Critical thinking skills sufficient for clinical judgment;
2. Interpersonal skills sufficient for effective interaction with individuals and families from a variety of cultural backgrounds;

3. Communication skills with proficiency in English and/or other languages of service delivery sufficient for effective written and spoken interaction with others;
4. The ability to comprehend and read professional literature/reports and write university level papers and clinical reports in English;
5. Physical mobility sufficient to move from room to room and maneuver in small spaces;
6. The ability to participate in classroom or clinical activities for 2-4 hour blocks of time with one or two breaks;
7. The ability to move independently to, from and in academic/clinical facilities;
8. Gross and fine motor abilities sufficient for manipulation of evaluation and treatment instruments and materials;
9. The ability to respond quickly enough to provide a safe environment for clients in emergency situations, including fire, choking, etc., and in the application of universal precautions (standardized approach for infection control);
10. Visual acuity, hearing sensitivity and auditory discrimination sufficient for client evaluation and treatment;
11. The ability to implement speech, language diagnostic and hearing screening procedures; administer and score instruments, interpret results and make appropriate recommendations and decisions, including the ability to evaluate and generalize appropriately without immediate supervision;
12. The ability to select, develop and implement comprehensive intervention strategies for treatment of communication and related disorders;
13. The ability to maintain attention and concentration for a sufficient amount of time to complete academic/clinical activities, typically 2-4 hours with 1-2 breaks.
14. The ability to maintain appropriate workplace behavior, including understanding and respect for supervisory authority, punctuality, and regular attendance.

Criminal Background Check

A criminal background check and/or a drug screening are required at most affiliated clinical training sites. Based on the results of these checks an affiliated clinical site may decide to not allow students at their facility. Such a decision could impede a student's ability to successfully complete the requirements of this program. Additionally, a criminal background may preclude licensure or employment. If criminal background checks or drug screenings are required, students are expected to cooperate fully with the process and pay all associated costs. Tennessee State University and the Speech Pathology and Audiology Department are not liable if the results of a criminal background check or a drug screening indicate that a student is unable to complete the requirements of the program or if such results preclude one from obtaining licensure or employment. [Note: All applicants for initial speech-language pathology licensure in Tennessee must obtain a criminal background check.]

Admission Requirements

Formal admission to the Department of Speech Pathology and Audiology is made through the Tennessee State University (TSU) School of Graduate Studies and Research. To apply to the

tradition (on ground) program, all admission materials should be filed with the Graduate School by February 1st prior to the fall semester in which the student wishes to enroll. Students are admitted to the distance education program every other year. The admission deadline for the distance education format is July 1 of every even year. Acceptance into the program is highly competitive.

Applicants are Required to Submit:

1. A Graduate School Application and Fee
2. Official College Transcript(s)
3. Results from the Graduate Record Examination (GRE) OR the Millers Analogy Test (MAT)
4. A Letter of Intent
5. Three Letters of Recommendation (addressing school, leadership, volunteer and life experiences)

For admission with Unconditional Classification, the student must have a:

- Grade Point Average (GPA) of 3.5 or higher
- Graduate Record Examination (GRE) of 146 minimum (verbal) and 140 minimum (quantitative) OR a minimum score on the Miller Analogies Test (MAT) of 380.
- Bachelor's degree and completion of the required prerequisite courses* in speech-language pathology.

For admission with Conditional Classification, the student may possess a GPA between 2.75 and 3.4 with an acceptable GRE or MAT score. The student with an acceptable GPA and a 138 minimum (verbal) and 136 minimum (quantitative) on the GRE or a minimum score on the MAT of 370 may also be considered for conditional admission. The student's classification is changed to unconditional if a 3.00 or better GPA is attained in the first 9 credit hours of graduate coursework. Any exception to these standards must be approved by the Graduate Selection Committee of the Department, Department Chair, College Dean, and Graduate Dean.

Applicants with clinical clock hours and observation hours in the areas of speech-language pathology and audiology must have proper documentation, including the appropriate signatures and certification status (CCC/SLP or CCC/A) for the clinical supervisors who supervised their clinical practicum experiences.

***Prerequisite Courses**

SPTH 2500 - Anatomy and Physiology of the Speech and Hearing Mechanism (3)

SPTH 2600 - Phonetics (3)

SPTH 2800 - Introduction to Language, Hearing and Speech Disorders (3)

SPTH 3300 - Clinical Methods in Articulation Disorders (3)

STPH 3500 - Language Development in Children (3)

SPTH 3514 - Observation of Clinical Practicum (1) *

15/16

On-Campus Program of Study (Full Time 5 semester)

Sequence of Graduate Courses for the Completion of the M.S. Degree in Speech and Hearing Science

Fall I

- SPTH 5570 - Anatomy and Physiology of Speech (3) **CIP:**
- SPTH 6550 - Seminar in Language Development (3) **CIP:**
- SPTH 5520 - Studies in Articulation (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)
- SPTH 5710 - Advanced Clinical Practicum: Audiology (1-6) **CIP:** (1)

11 Credit Hours

Spring I

- SPTH 5530 - Neuroanatomy and Neurophysiology of Speech and Hearing (3) **CIP:**
- SPTH 6560 - Studies in Language Disorders (3) **CIP:**
- SPTH 6540 - Seminar in Organic Speech Disorders (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)

10 Credit Hours

Summer I

- SPTH 5630 - Adult Aphasia (3) **CIP:**
- SPTH 6530 - Seminar in Stuttering (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)

9 Credit Hours

Fall II

- SPTH 5740 - Advanced Audiology (3) **CIP:**
- SPTH 5580 - Voice Disorders (3) **CIP:**
- SPTH 6400 - Neurogenic (Motor) Speech Disorders (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)

10 Credit Hours

Spring II

- SPTH 6420 - Multicultural Literacy and Cultural Diversity (3) **CIP:**
- SPTH 5750 - Seminar in Aural Rehabilitation (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)
- SPTH 5110 - Methods of Research (2) **CIP:**

9 Credit Hours

Focus Courses:

- SPTH 5250 - Methods of Speech and Hearing Services in the School Setting (3) **CIP: ***
- SPTH 5800 - Speech Science & Instrumentation (3) **CIP: ****
- SPTH 5120 - Thesis Writing (4) **CIP: (Optional) *****

Note:

*Required for students desiring Education Endorsement

**Required for students lacking the requisite knowledge and coursework.

***Required only for students writing thesis

NOTE: There are part-time, 8 semester and 12 semester tracks also.

Financial Assistance

Upon acceptance into the graduate program, students may apply for available graduate assistantships or other financial aid. Students requesting graduate assistantships are required to fill out the graduate assistantship application located on the Graduate School's website. This form is submitted with the other application materials. Students requiring financial aid must fill out a financial aid form and contact the university's financial aid office.

Speech and Hearing Science, Online, M.S.

Speech and Hearing Science Major

Degree Requirements

The program consists of academic and clinical requirements. The curriculum consists of forty-one (41) semester hours of required courses, six (6) semester hours of focus courses (which are required for students desiring an Education Endorsement and/or for students lacking the requisite knowledge and coursework in Speech and Hearing Science), plus a comprehensive examination and/or thesis. The program also requires a minimum of six (6) additional credit hours of clinical practicum during which the student must obtain 400 clock hours of clinical practicum experiences under the supervision of certified clinicians (CCC-SLP or CCC-A) in nine (9) areas of speech-language assessment and intervention across the lifespan. Students entering the program are required to have (1) a degree in Speech Language Pathology or (2) the required prerequisite courses. Students plan their curriculum in consultation with an advisor. For employment in the school system, graduate students may complete requirements for licensure by the State Department of Education. These requirements are in addition to those required for the degree. The curriculum emphasizes both classroom and clinical experiences necessary for a comprehensive understanding of normal communicative processes, including reception, integration, and expression.

It emphasizes in-depth analyses of communicative and swallowing disorders, giving special attention to techniques for diagnosis, remediation, and management. Supervised clinical observation and practicum experiences in speech-language pathology and audiology are an integral part of the curriculum. To meet requirements for graduation, students must obtain the minimum number of required clinical clock hours for ASHA certification.

Twenty-five hours of observation and 50 clinical hours completed at the undergraduate level can be applied toward ASHA certification requirements. All observation and clinical clock hours amassed at the undergraduate level must be obtained under the supervision of an ASHA certified member.

Practicum experiences, applicable toward ASHA certification, are provided on-campus at the TSU Speech and Language Clinic where diagnostic and clinical services are offered to children and adults in the Middle Tennessee area. Students are also assigned to off-campus practicum sites to obtain diverse experience through the Department's affiliations with school systems, child-care centers, habilitation and rehabilitation facilities, hospitals, and health-care facilities.

The Master of Science Program in Speech and Hearing Science is accredited by the Council on Academic Accreditation (CAA) in Speech-Language Pathology of the American-Speech-Language-Hearing Association (ASHA). ASHA implemented new Standards for the Certificate of Clinical Competence in Speech-Language Pathology effective 2014. Students may be required to take additional prerequisite coursework in order to provide evidence of knowledge and skills required for certification.

Essential Functions

The Department of Speech Pathology and Audiology has created a list of Essential Functions which are task-and attribute-based criteria needed to successfully achieve professional entry-level competencies. The Essential Functions of Speech-Language Pathologists establishes the expectations and requisite abilities considered necessary in the field of speech-language pathology.

Below are the essential functions that individuals must possess either independently or with reasonable accommodations.

1. Critical thinking skills sufficient for clinical judgment;
2. Interpersonal skills sufficient for effective interaction with individuals and families from a variety of cultural backgrounds;
3. Communication skills with proficiency in English and/or other languages of service delivery sufficient for effective written and spoken interaction with others;
4. The ability to comprehend and read professional literature/reports and write university level papers and clinical reports in English;
5. Physical mobility sufficient to move from room to room and maneuver in small spaces;
6. The ability to participate in classroom or clinical activities for 2-4 hour blocks of time with one or two breaks;
7. The ability to move independently to, from and in academic/clinical facilities;
8. Gross and fine motor abilities sufficient for manipulation of evaluation and treatment instruments and materials;
9. The ability to respond quickly enough to provide a safe environment for clients in emergency situations, including fire, choking, etc., and in the application of universal precautions (standardized approach for infection control);
10. Visual acuity, hearing sensitivity and auditory discrimination sufficient for client evaluation and treatment;
11. The ability to implement speech, language diagnostic and hearing screening procedures; administer and score instruments, interpret results and make appropriate

recommendations and decisions, including the ability to evaluate and generalize appropriately without immediate supervision;

12. The ability to select, develop and implement comprehensive intervention strategies for treatment of communication and related disorders;
13. The ability to maintain attention and concentration for a sufficient amount of time to complete academic/clinical activities, typically 2-4 hours with 1-2 breaks.
14. The ability to maintain appropriate workplace behavior, including understanding and respect for supervisory authority, punctuality, and regular attendance.

Criminal Background Check

A criminal background check and/or a drug screening are required at most affiliated clinical training sites. Based on the results of these checks an affiliated clinical site may decide to not allow students at their facility. Such a decision could impede a student's ability to successfully complete the requirements of this program. Additionally, a criminal background may preclude licensure or employment. If criminal background checks or drug screenings are required, students are expected to cooperate fully with the process and pay all associated costs. Tennessee State University and the Speech Pathology and Audiology Department are not liable if the results of a criminal background check or a drug screening indicate that a student is unable to complete the requirements of the program or if such results preclude one from obtaining licensure or employment. [Note: All applicants for initial speech-language pathology licensure in Tennessee must obtain a criminal background check.]

Admission Requirements

Formal admission to the Department of Speech Pathology and Audiology is made through the Tennessee State University (TSU) School of Graduate Studies and Research. To apply to the tradition (on ground) program, all admission materials should be filed with the Graduate School by February 1st prior to the fall semester in which the student wishes to enroll. Students are admitted to the distance education program every other year. The admission deadline for the distance education format is July 1 of every even year. Acceptance into the program is highly competitive.

Applicants are Required to Submit:

1. A Graduate School Application and Fee
2. Official College Transcript(s)
3. Results from the Graduate Record Examination (GRE) OR the Millers Analogy Test (MAT)
4. A Letter of Intent
5. Three Letters of Recommendation (addressing school, leadership, volunteer and life experiences)

For admission with Unconditional Classification, the student must have a:

- Grade Point Average (GPA) of 3.5 or higher
- Graduate Record Examination (GRE) of 146 minimum (verbal) and 140 minimum (quantitative) OR a minimum score on the Miller Analogies Test (MAT) of 380.

- Bachelor's degree and completion of the required prerequisite courses* in speech-language pathology.

For admission with Conditional Classification, the student may possess a GPA between 2.75 and 3.4 with an acceptable GRE or MAT score. The student with an acceptable GPA and a 138 minimum (verbal) and 136 minimum (quantitative) on the GRE or a minimum score on the MAT of 370 may also be considered for conditional admission. The student's classification is changed to unconditional if a 3.00 or better GPA is attained in the first 9 credit hours of graduate coursework. Any exception to these standards must be approved by the Graduate Selection Committee of the Department, Department Chair, College Dean, and Graduate Dean.

Applicants with clinical clock hours and observation hours in the areas of speech-language pathology and audiology must have proper documentation, including the appropriate signatures and certification status (CCC/SLP or CCC/A) for the clinical supervisors who supervised their clinical practicum experiences.

*Prerequisite Courses

SPTH 2500 - Anatomy and Physiology of the Speech and Hearing Mechanism (3)

SPTH 2600 - Phonetics (3)

SPTH 2800 - Introduction to Language, Hearing and Speech Disorders (3)

SPTH 3300 - Clinical Methods in Articulation Disorders (3)

STPH 3500 - Language Development in Children (3)

SPTH 3514 - Observation of Clinical Practicum (1) *

15/16

Online Program of Study

Sequence of Graduate Courses for the Completion of the Online M.S. Degree in Speech and Hearing Science

Spring I*

- SPTH 6550 - Seminar in Language Development (3) **CIP:**
- SPTH 5570 - Anatomy and Physiology of Speech (3) **CIP:**

6 Credit Hours

Summer I

- SPTH 5520 - Studies in Articulation (3) **CIP:**
- SPTH 5530 - Neuroanatomy and Neurophysiology of Speech and Hearing (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)

7 Credit Hours

Fall I

- SPTH 6560 - Studies in Language Disorders (3) **CIP:**
- SPTH 6540 - Seminar in Organic Speech Disorders (3) **CIP:**

6 Credit Hours

Spring II

- SPTH 5630 - Adult Aphasia (3) **CIP:**
- SPTH 6530 - Seminar in Stuttering (3) **CIP:**

6 Credit Hours

Summer II

- SPTH 5580 - Voice Disorders (3) **CIP:**
- SPTH 5740 - Advanced Audiology (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)

7 Credit Hours

Fall II

- SPTH 6400 - Neurogenic (Motor) Speech Disorders (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)
- SPTH 5710 - Advanced Clinical Practicum: Audiology (1-6) **CIP:** (1)
- SPTH 5110 - Methods of Research (2) **CIP:**

7 Credit Hours

Spring III

- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)
- SPTH 5250 - Methods of Speech and Hearing Services in the School Setting (3) **CIP:**
- SPTH 6420 - Multicultural Literacy and Cultural Diversity (3) **CIP:**

7 Credit Hours

Summer III

- SPTH 5800 - Speech Science & Instrumentation (3) **CIP:**
- SPTH 5750 - Seminar in Aural Rehabilitation (3) **CIP:**
- SPTH 5510 - Advanced Clinical Practicum: Speech-Language (1-6) **CIP:** (1)

7 Credit Hours

Financial Assistance

Upon acceptance into the graduate program, students may apply for available graduate assistantships or other financial aid. Students requesting graduate assistantships are required to fill out the graduate assistantship application located on the Graduate School's website. This form is submitted with the other application materials. Students requiring financial aid must fill out a financial aid form and contact the university's financial aid office.

College of Health Sciences Graduate Faculty (HPSS)

Essameldin R. Hamido, Associate Professor

B.S., 1988, Ain Shamps University; M.A.Ed., 1996, Ed.D. 1999, Tennessee State University

Harriet Hamilton, Associate Professor

B.S., 1975, Fisk University; M.S., 1976, Florida State University; Ed.D. 2003, Temple University

James E. Heimdal, Associate Professor, and Department Chair

B.A., 1980, Tulane University; M.Ed., 1998, University of New Orleans; Ph.D., 1992, University of Southern Mississippi

Jason Smith, Assistant Professor

B.S., 2000, Tennessee State University; MA.Ed., 2003, Tennessee State University; Ed.D, Tennessee State University

Robert G. Cochrun, Assistant Professor

B.S., 2007, Southern Illinois University; M.Ed., 2010, Southern Illinois University; Ph.D., 2015 Middle Tennessee State University

Timothy Jones, Associate Professor

B.S., 1993, Ohio University; M.S., 1995, Frostburg State University; Ed.D., Tennessee State University

William E. Johnson, Professor, Interim Assistant Dean COHS

B.S., 1980, California Polytechnic State University; M.A., 1981, Stanford University; 1993, Ph.D., The University of New Mexico

College of Health Sciences Graduate Faculty (Nursing)

Danica Ninkovic, Associate Professor, FNP-BC, AGACNP-BC

B.S.N., 2001, Oakland University; M.S.N., 2008, University of Detroit Mercy-Graduate School; D.N.P., 2018, Vanderbilt University

Diane Campbell, Associate Professor, FNP-BC

B.S.N., 1998, University of Alabama; M.S.N., 2000, Tennessee State University; D.N.P., 2007, University of Tennessee Health Science Center

Donna Kenerson, Associate Professor

B.S.N., 1980, Saint Xavier College; M.P.A., 2001, Tennessee State University; Ph.D., 2010, Vanderbilt University

Jacqueline Lewis, Assistant Professor

B.S.N., 1979, Coppin State College; M.S.N., 1983, Howard University; Ph.D., 2011, University of Northern Colorado

Kwaghadoo Bossuah, Associate Professor, FNP-BC

B.S.N., 1997, Grand Valley State University; M.S.N., 2008, Grand Valley State University; D.N.P., 2012, Oakland State University

Maria Revell, Associate Professor

B.S.N., 1973, Tuskegee University; M.S.N., 1985, University of Alabama-Huntsville; Ph.D., 1992, University of Alabama

Pinky Noble-Britton, Associate Professor

B.S.N., 2003, Tennessee State University; M.S.N., 2006, Tennessee State University; Ph.D., 2014, Capella University

Sherin Fatemeh Tahmasbi, Associate Professor, FNP-BC

B.S.N., 1996, Esfahan University of Medical Sciences, Iran; M.S.N., 2014, Tennessee State University; D.N.P., Vanderbilt University

College of Health Sciences Graduate Faculty (OT)

Cathleen St. Dennis, Assistant Professor

B.S., 2000, California State University Dominguez Hills; O.T.D. Post-Professional Doctorate, 2014, Rocky Mountain University of Health Professions

Christine Watt, Assistant Professor, and Admissions Chair

B.S., 2000, Southern Illinois University Carbondale; B.S., 2004, University of Southern Indiana; M.S. 2007, Southern Illinois University Carbondale

Guinevere Bennett, Assistant Professor

B.S., 2004, North Georgia College & State University; D.C. 2009, Life University

Lauren Beard, Assistant Professor, Academic Fieldwork Coordinator

B.S., 2011, Lipscomb University; M.O.T., 2013, Tennessee State University

Rita Troxtel, Assistant Professor and Department Chair

A.A., 1978, Mesa Community College; B.S., 1980, Arizona State University; B.S., 1999, Medical College of Georgia; M.S., 1993, University of Tennessee at Chattanooga; O.T.D Post-Professional Doctorate, 2012, Rocky Mountain University of Health Professions

Roderick Morgan, Assistant Professor

B.S., 1978, Berea College; M.S., 1988, University of Indianapolis; O.T.D. Post-Professional Doctorate, 2002, Nova Southeastern University

College of Health Sciences Graduate Faculty (PT)

Annie Tapp, Lab Competency Coordinator

B.S., 2008 University of South Carolina; D.P.T., University of Illinois at Chicago

David A. Lehman, Professor

B. S., 1987, Florida State University; M.S., 1989, University of Miami; Ph.D., 2002, Florida State University

Deborah A. Edmondson, Professor

A.A., 1974, Hiwassee College; B.S., 1976, Middle Tennessee State University; B.S., 1977, University of Tennessee - Memphis, Health Science Center; M.S., 1994, University of St. Francis; Ed.D., 2001, Tennessee State University

Derek B. Charles, Assistant Professor

B.A., 2001, Mississippi State University; 2005, D.P.T., Belmont University

Edilberto A. Raynes, Associate Professor

B.A., 1984 De La Salle University; Doctor of Medicine, 1991, University of the City of Manila; Ph.D., 2013, Walden University

Karen R. Coker, Assistant Professor

B.S., 1985, Middle Tennessee State University; B.S., 1986, University of Tennessee - Memphis; D.P.T., 2006, University of Tennessee Health Sciences Center

Richard C. Clark, Assistant Professor

B.S., 2000, Wichita State University; M.P.T., 2002, Wichita State University; D.Sc., 2009, Baylor University

Ronald De Vera Barredo, Professor, Department Chair, Dean COHS

B.S., 1990, University of the Philippines; M.A., 1995, Trevecca Nazarene University; Ed.D., 2002, Trevecca Nazarene University; D.P.T., 2005, Rocky Mountain University of Health Professions

College of Health Sciences Graduate Faculty (Speech Pathology)

G. Pamela Burch-Sims, CCC/A, Professor

B.S., 1977, Hampton University; M.A. 1978, University of Tennessee; Ph.D., 1993, Vanderbilt University.

Iris A. Johnson-Arnold, CCC/SLP, Associate Professor

B.A. 1991, M.A., 1995, South Carolina State University; Ph.D., 1999, The University of Memphis

Karen Davis, Assistant Professor

B.S., North Carolina Central University; M.E., 2001, North Carolina Central University; Ph.D., 2014 University of Central Florida

Terrie D. Gibson, CCC-SLP, Associate Professor

B.S., 1980, Elizabeth City State University; M.A., 1981 University of Illinois, Ph.D., 2002, Vanderbilt University

Tina T. Smith, CCC/SLP, Professor and Department Chair

B.A., 1980; M.A., 1981, South Carolina State College; Ph.D., 1989, University of Illinois

Valeria Roberts Matlock, CCC/A, Assistant Professor

B.S., 1983; M.Ed., 1986; Ed. D., 2003, Tennessee State University

Clinical Instructional Staff

Kathleen Herbert, CCC/SLP

B.A., 1988, Dakota Wesleyan University-Mitchell; M.S., 1991, University of Arizona-Tucson

Sylvia Driggins, CCC/SLP

B.A., 1965, Ohio University; M.S. 1999, Tennessee State University

College of Liberal Arts

Gloria C. Johnson, Ph.D., Dean

112 Hubert B. Crouch Hall (Graduate Building)

615-963-7518

615-963-2137 (Fax)

gjohnson@tnstate.edu

The College of Liberal Arts offers academic programs designed to engage students in the study of human experience and human potential and to equip them for creatively, critically, and collaboratively shaping their lives, careers, and communities. At the graduate level the College offers a Master's of Criminal Justice in a joint degree program with Middle Tennessee State University. The College also offers courses in English, History, and Music for students pursuing advanced study in these disciplines in association with graduate programs in Education.

Core Values

Integrative Learning: Liberal Arts programs recognize education as an inherently connected, cumulative, and student-centered experience in which learning occurs across courses and across disciplines.

Creativity: Liberal Arts programs value and nurture originality, imagination, discovery, the active creation and appreciation of beauty, and the unique voice of each student. Rather than providing "training", they seek to inspire students and draw inspiration from them.

Responsibility: Liberal Arts programs recognize the development of integrity, ethical thinking, and social and environmental awareness as essential goals of a college education.

Critical Thinking and Reasoned Judgment: Liberal Arts programs recognize discourse and the construction of knowledge as human activities requiring the questioning of assumptions, logical reasoning, analysis and synthesis, the appreciation of multiple perspectives, self-awareness, empathetic capacity, and civility.

Professional Competency: Liberal Arts programs value, model, and cultivate excellence in written and oral communication, task organization, collaboration, quantitative thinking, and literacy in information technology, equipping students with transferrable professional skills.

Student Service and Support: Liberal Arts programs recognize the quality of the individual student's educational experience as the primary measure of their effectiveness and are committed to the highest standards of service for both traditional and non-traditional students in curriculum design, course offering, instruction, learning assessment, co-curricular activities, and academic and career advisement.

Accreditation

Individual academic programs in the College of Liberal Arts are accredited by the national, regional, and state agencies which accredit programs. The Music program is accredited by the National Association of Schools of Music (NASM). All teacher certification programs in the College are approved by the Tennessee Department of Education, and the teacher certification program of the University is accredited by the National Council on the Accreditation of Teacher Education (NCATE).

Criminal Justice, M.C.J.

The requirements for the Masters of Criminal Justice include the successful completion of thirty-six (36) hours of graduate coursework. The thesis or non-thesis (comprehensive examination) will be supervised by faculty designated at the time of admission to candidacy.

Admission Requirements

Admission into the M.C.J. program requires the student to have a Bachelor's degree from an accredited four-year college or university and an undergraduate grade point of 2.5 or higher on a 4.0 scale. Unconditional admission will be granted to students with a 2.8 GPA and no GRE or MAT score is required. Unconditionally admitted students also must have 18 hours of undergraduate Criminal Justice course hours, or courses that directly relate to Criminal Justice. Students with less than a 2.8 GPA, but have a 2.5 GPA up to 2.79, can also be unconditionally accepted into the program with a GRE score of at least 275 with the verbal and math sections combined, or a MAT score of 385. GPAs of less than 2.5 will not be accepted. Students can be conditionally accepted who have at least a 2.5 GPA, but less than a 2.8 GPA, but scheduling to take either the GRE or MAT during the first semester of graduate classes. Students conditionally accepted will have to achieve either a 275 on the GRE or 385 on the MAT to continue with graduate classes.

To remain in the program, students must maintain at least a 3.0 GPA for each semester throughout the program.

Required Courses (18 Hours)

Eighteen hours of core courses (required). Students writing a thesis are required to be enrolled in CRMJ 6640. Those pursuing the non thesis option take CRMJ 6630.

- CRMJ 6640 - Thesis (3) **CIP:**
- CRMJ 6900 - Research in Criminal Justice (3) **CIP:**
- CRMJ 6000 - Criminal Justice Administration (3)
- CRMJ 6010 - Seminar in Law (3)
- CRMJ 6020 - Judicial Seminar (3) **CIP:**
- CRMJ 6030 - Contemporary Corrections (3) **CIP:**
- Electives or Additional Criminal Justice Courses (18)

Note:

All courses are offered in the evenings, Monday through Thursday, meeting one night per week from 5 PM to 8 PM.

Additional Information

Course Offerings

Generally, all classes are offered in the evenings, Monday through Thursday, one night per week from 5:30 pm to 8:30 pm. However, the faculty has the right to offer a class (es) during the day hours if the need is evident. It may become necessary for a student to take a class outside of the Department of Criminal Justice if they have taken all the required courses and a CRMJ elective is not being offered that has not been taken. Students may take a total of two courses (six hours) from other graduate programs at TSU. These classes must be approved by either the Chair of the

Department or Coordinator of the MCJ Program. Students are expected to take classes that are related to Criminal Justice. These classes may be taken from the Departments of Psychology, Social Work, Public Administration, or, on occasion, Education. Students may also take a maximum of two 5000 level courses as electives, as they are considered as graduate courses.

Program of Study

The degree candidate must file a Program of Study after completing at least twelve (12) semester hours or graduate study, but no more than fifteen (15) semester hours. The Program of Study lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the Program of Study with the approval of the Department and Graduate School. Students must have a minimum of a 3.0 GPA to be eligible for admission to candidacy. The Program of Study form is accessible from the Graduate School site on the TSU website under the Forms and Publications tab.

Admission to Candidacy

The individual must file for admission to candidacy at the same time he or she submits the program of study. The candidate must have a grade point average of 3.0 or above to be eligible for admission to candidacy.

The degree candidate must file a program of study after completing at least nine semester hours of graduate study but no more than fifteen hours. The program of study lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

Department of Criminal Justice

Deborah Burris-Kitchen, Ph.D.,

Department Chair

315 Hubert B. Crouch Hall

615-963-5571

dburriskitchen@tnstate.edu

Michael Montgomery, Ph.D.

Program Coordinator

615-963-5588

mmontgomery@tnstate.edu

Major: Criminal Justice

Degree: Master of Criminal Justice

The requirements for the Masters of Criminal Justice include the successful completion of thirty-six (36) hours of graduate coursework. The thesis or non-thesis (comprehensive examination) will be supervised by faculty designated at the time of admission to candidacy.

Admission Requirements

Admission into the M.C.J. program requires the student to have a Bachelor's degree from an accredited four-year college or university and an undergraduate grade point of 2.5 or higher on a 4.0 scale. Unconditional admission will be granted to students with a 2.8 GPA and no GRE or MAT score is required. Unconditionally admitted students also must have 18 hours of

undergraduate Criminal Justice course hours, or courses that directly relate to Criminal Justice. Students with less than a 2.8 GPA, but have a 2.5 GPA up to 2.79, can also be unconditionally accepted into the program with a GRE score of at least 275 with the verbal and math sections combined, or a MAT score of 385. GPAs of less than 2.5 will not be accepted. Students can be conditionally accepted who have at least a 2.5 GPA, but less than a 2.8 GPA, but scheduling to take either the GRE or MAT during the first semester of graduate classes. Students conditionally accepted will have to achieve either a 275 on the GRE or 385 on the MAT to continue with graduate classes.

To remain in the program, students must maintain at least a 3.0 GPA for each semester throughout the program.

Department of History, Political Science, Geography, and Africana Studies

Adebayo Oyebade, Ph.D., Chair

216 Hubert B. Crouch Hall

(Graduate Building)

615-963-5471

FAX 615-963-5497

aoyebade@tnstate.edu

The Department of History, Political Science, Geography, and Africana Studies offers graduate courses in History, Political Science and Geography. Although the University does not offer a graduate degree in any of its disciplines, students may earn a History concentration under the M.Ed. degree in Curriculum and Instruction. (See the M.Ed. requirements in the College of Education.) The purpose of this program is to develop teachers of history and the social sciences.

Curriculum and Instruction, History Concentration, M.Ed.

Admission Requirements

Unconditional admission to the program requires the applicant to have a bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average of 2.5 or better on a 4.0 scale, and a composite score of at least 870 on the verbal, quantitative, and subject (History) portions of the Graduate Record Examination or a score of 370 on the Miller Analogies Test.

Conditional admission may be gained with a lower grade point average, but the GRE or the MAT score must be correspondingly higher. If the undergraduate GPA is between 2.25 and 4.0, the GRE score must be 935 or the MAT score 383. If the GPA is between 2.0 and 2.24, the GRE score must be 1000 or the MAT score 394. Applicants with less than a 2.5 undergraduate GPA must submit test scores at the time of application; applicants with a GPA of 2.5 or above may submit test scores in the first semester of attendance, but it is preferable that they submit test scores at the time of original application.

For unconditional admission, an applicant must have at least the equivalent of an undergraduate minor in History, which is a minimum of eighteen semester hours. In some instances, conditional admission may be granted prior to completion of the undergraduate course requirements, but a student must complete these courses before taking any graduate courses.

Degree Requirements

To receive the M.Ed. in Curriculum and Instruction with a concentration in History, the student must complete 33 semester hours, including 15 hours in the Education core, and 18 hours of History. Students in this program will be assigned an advisor in the Department of History, Political Science, Geography and Africana Studies, in addition to his or her principal advisor in the College of Education.

Required Courses: 15 hours

- EDCI 5110 - Research and Statistics in Education (3) **CIP:**
- EDCI 5260 - Philosophy of Education (3) **CIP:**
- EDCI 5300 - Multicultural Education (3) **CIP:**
- PSYC 5430 - Advanced Educational Psychology (3) **CIP:**
- EDCI 6100 - Curriculum Planning and Programming (3) **CIP:**

History, Geography, and Political Science Courses:

18 hours of electives in History

A degree candidate must be certified to teach before the degree is awarded.

Additional Requirements

Program of Study

The degree candidate must file a program of study after completing at least nine semester hours of graduate study but no more than fifteen hours. The program of study lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department of History, the Department of Teaching and Learning, and the Graduate School.

Admission to Candidacy

The individual must file for admission to candidacy at the same time he or she submits the program of study. The candidate must have a grade point average of 3.0 or above to be eligible for admission to candidacy.

Post-Master's Training

Graduate courses at the 6000 level are offered for in-service teachers and for persons enrolled or planning to enroll in doctoral programs.

College of Liberal Arts Graduate Faculty

Andrew Patrick, Assistant Professor

BA, 1996, University of Colorado at Boulder; MSc., 2005, University of Southern Maine; MA., 1997, University College London; Ph.D., 2011, University of Manchester

Deborah J. Burris-Kitchen, Professor

B.A., 1988, Indiana University; M.A., 1990, Ball State University; Ph.D., 1995, Western Michigan University

Larry D. Woods, Professor

B.A., 1966, Emory University; J.D., 1969, Northwestern University School of Law

Learotha Williams, Jr., Assistant Professor

B.A., 1996, Florida State University; M.A., 1998, Florida State University; Ph.D., 2003, Florida State University

Michael J. Montgomery, Associate Professor

B.S., 1974, Eastern Kentucky University; M.S., 1979, Eastern Kentucky University; Ph.D., 2006 Tennessee State University

Michael T. Bertrand, Associate Professor

B.A., 1985, University of Louisiana at Lafayette; M.A., 1988, University of Louisiana at Lafayette; Ph.D., 1995, University of Memphis

College of Life and Physical Sciences

Lonnie Sharpe, Ph.D., Interim Dean

Office: Crouch Hall, Room 411

(615) 963-7474

(615) 963-7492 (Fax)

lsharpe@tnstate.edu or sharpe@coe.tsuniv.edu

The College of Life and Physical Sciences includes the departments of Biological Sciences, Chemistry, and Mathematical Sciences. The College has about 57 full-time faculty and 90% of them hold Ph.D. degrees. The College of Life and Physical Sciences seeks to promote excellence through scholarly inquiry and research, lifelong learning, and a commitment to service. The College is committed to preparing students to thrive in their chosen professions and be prepared to compete in a global environment. The curricula and programs of the College aid students to develop essential skills in solving problems, communicating, and working cooperatively and in teams. Encouraging students to be lifelong learners and self-motivated individuals are important aims of the College.

Degree Programs

Biological Sciences Ph.D.

Biological Sciences M.S.

Chemistry M.S.

Admission Procedure

All students applying for admission must submit to the Graduate School a completed Graduate Admission Application form, transcripts from all colleges and universities previously attended, and three letters of recommendation.

Admission Requirements

The Biological Sciences Department and the Chemistry Department have departmental specific admission requirements. The specific requirements are outlined in the summary of each departmental overview.

Department of Biological Sciences

Terrance L. Johnson, Ph.D., Head

110 McCord Hall

615-963-5681

615-963-5548 (Fax)

tjohnson@tnstate.edu

Major: Biology

Degree: Master of Science (M.S.) Thesis Option, Non-Thesis Option Major: Biological Science

Degree: Doctor of Philosophy

Michael Ivy, Ph.D., Graduate Coordinator

The Department of Biological Sciences offers graduate programs leading to the Master of Science (M.S.) degree in Biology and the Doctor of Philosophy (Ph.D.) degree in Biological Science.

The Department of Biological Sciences offers graduate programs leading to the Master of Science (M.S.) degree in Biology and the Doctor of Philosophy (Ph.D.) degree in Biological Science. Both curricula are designed to prepare scholars for the pursuit of research careers in academia, government, and industry, and to improve the level of competency of high school, college, and university teachers.

The Ph.D. in Biological Science is a degree program offered by the Department of Biological Sciences, the Department of Chemistry and the Department of Agricultural and Environmental Sciences in the College of Agriculture, Human, and Natural Sciences. Programs of study involve cellular and molecular biology, plant and environmental sciences and biochemistry. The emphasis of this program is to train scientists in biological research who will be highly competent to teach in higher education and who can work in industry and with other biologists, biochemists, engineers, agricultural scientists, and others to develop solutions to problems that have an impact on our quality of life. Admissions procedures for the Ph.D. program are outlined under the Department of Biological Sciences. The major advisor will be appointed by the department offering the student's primary emphasis. Course descriptions are listed under the respective departments.

Master of Science

Biology, M.S.

Admission Requirements: M.S. Program

Unconditional admission to the M.S. program requires the applicant to have a bachelor's degree from an accredited four-year college or university, a minimal score of 800 calculated from the GPA multiplied by 200 and added to the GRE combined verbal and quantitative scores, two letters of recommendation and a personal statement. Also required is that the student will have accumulated a minimum of 24 acceptable semester hours in biology plus a minimum of four semester hours of biochemistry. The Departmental Admissions Committee will base admission upon these materials and additionally, will evaluate the applicant's science course GPA and may request a personal interview to determine the applicant's potential for success in the program.

Conditional admission may be granted to applicants prior to the completion of the 24 semester hours of biology and four semester hours of biochemistry, but the student must complete these courses with a GPA of 3.0 or better. The student must remove conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve this average will result in withdrawal from the program.

Degree Requirements: M.S. Program

The Department offers both thesis and non-thesis options in the master of science degree program. A minimum of 36 semester hours of approved courses is required for the M.S. degree under the thesis option, and a minimum of 39 semester hours is required under the non-thesis option. Students who choose the non-thesis option must pass a comprehensive examination (passing score 70% or above) taken no earlier than the term in which they complete their course work. Students interested in pursuing research careers in academia, government or industry are highly encouraged to take the thesis option.

Required Courses: 23 hours in thesis option, 19 hours in non-thesis option

- BIOL 5010 - Graduate Seminar I (1) **CIP:**
- BIOL 5020 - Graduate Seminar II (1) **CIP:**
- BIOL 5100 - Literature and Methods in Research (3) **CIP:**
- BIOL 5110 - Research in Biology (2) **CIP:**
- BIOL 5120 - Thesis Writing (4) **CIP:** (required only in thesis option)
- BIOL 5180 - Cell Biology (3) **CIP:**
- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**
- AGSC 5060 - Statistics for Research (3) **CIP:** or Equivalent

Elective Courses: 13 hours in thesis option, 20 hours in non-thesis option

Selection of elective courses must be made in consultation with the student's thesis committee or non-thesis advisor. Often, depending on the career direction or research interest of the student, a student may be advised to take elective courses in other departments or at other institutions. Included in the elective courses must be a physiology and a genetics course. In addition, only three (3) semester hours of Special Problems courses will be credited toward the M.S. degree.

Program of Study: M.S. Program

The degree candidate must file a program of study after completing at least nine semester hours of graduate credit, but before completing fifteen hours of graduate credit.

The program lists the courses which will be used to satisfy degree requirements, and details how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

Admission to Candidacy: M.S. Program

When the candidate files the program of study, he or she must also apply for admission to candidacy. The candidate must have a grade point average of 3.0 or above to be eligible for admission to candidacy and must have a grade of B or better in all required courses.

Doctor of Philosophy

Biological Sciences, Ph.D.

Admission Requirements: Ph.D. Program

Applicants to the Ph.D. program must submit a completed application form, a personal statement describing interest in the program and professional goals, and three letters of recommendation from persons familiar with the applicant's academic work. The Departmental admissions committee will base admission upon these materials and interviews with selected applicants.

Admission requires that the applicant have a bachelor's degree from a fully accredited four-year college or university, a minimal score of 900 calculated from the GPA multiplied by 200 and added to the GRE combined verbal and quantitative scores. Students admitted to the program must take a Departmental diagnostic examination that will be used by the admissions committee

to design a curriculum to eliminate any identified weaknesses. After passing the recommended courses with a grade of B or better in each, the student will begin the Ph.D. curriculum.

Degree Requirements: Ph.D. Program

Degree candidates must complete the core of required graduate courses (24 hours) with a grade of B or better in each course, pass the comprehensive examination, and gain approval of their dissertation proposal prior to obtaining admission to candidacy for the doctoral degree. Students may have a "C" grade in no more than two courses (6 credit hours), neither of which can be a core course. No "D" or "F" grades are acceptable. A student who receives a grade of "C" in excess of six credits must repeat this course and achieve at least a "B".

After gaining admission to candidacy the student must complete an approved curriculum (24 hours minimum of electives set by the student's research advisory committee), enroll in Graduate Seminar (BIOL 7010, BIOL 7020), complete a dissertation (24 hours), and successfully defend the dissertation prior to gaining the Ph.D. degree (Please refer to Biological Sciences Graduate Student Handbook for specific dissertation requirements). A student entering with a Master's degree may have applicable hours transferred toward the Ph.D. program, as determined by the Advisory Committee. The total number of hours required is 76.

Required Courses: 24 Hours

To be completed prior to Admission to Candidacy

- BIOL 5100 - Literature and Methods in Research (3) **CIP:**
- BIOL 5180 - Cell Biology (3) **CIP:**
- BIOL 6100 - Frontiers in Molecular Science (3) **CIP:**
- BIOL 7120 - Molecular Biology (3) **CIP:**
- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**
- CHEM 5600 - Spectroscopic Methods In Chemistry (3) **CIP:**
- STAT 5210 - Statistical Methods I (3)

After Admission to Candidacy: 52 Hours

- Electives (24)
- BIOL 5010 - Graduate Seminar I (1) **CIP:**
- BIOL 5020 - Graduate Seminar II (1) **CIP:**
- BIOL 7010 - Seminar in Biology I (1) **CIP:**
- BIOL 7020 - Seminar in Biology II (1) **CIP:**
- BIOL 8110 - Dissertation Research (1-9) **CIP:** (24)
- Total Required Hours (76)

Graduate Elective Courses

- BIOL 5070 - Methods of Teaching Science in the College/University Setting (3) **CIP:**

- BIOL 5080 - Methods of Teaching Science in the College/University Setting (3) **CIP:**
- BIOL 5130 - Evolution (3) **CIP:**
- BIOL 5140 - Special Problems I (3) **CIP:**
- BIOL 5150 - Special Problems II (3) **CIP:**
- BIOL 5160 - Environmental Genetics (3) **CIP:**
- BIOL 5170 - Advanced Genetics (3) **CIP:**
- BIOL 5180 - Cell Biology (3) **CIP:**
- BIOL 5190 - Ecology (3) **CIP:**
- BIOL 5200 - General Physiology (3) **CIP:**
- BIOL 5210 - Embryology (3) **CIP:**
- BIOL 5220 - Advanced Parasitology (3) **CIP:**
- BIOL 5230 - Arthropods and Diseases (3) **CIP:**
- BIOL 5240 - Systemic Physiology (3) **CIP:**
- BIOL 5300 - Plant Physiology (3) **CIP:**
- BIOL 5400 - Microbial Genetics (3) **CIP:**
- BIOL 5410 - Molecular Genetics (3) **CIP:**
- BIOL 5460 - Immunology (3) **CIP:**
- BIOL 5470 - Special Topics in Immunology (3) **CIP:**
- BIOL 6040 - Individual Studies (3-9) **CIP:** (3)
- BIOL 6100 - Frontiers in Molecular Science (3) **CIP:**
- BIOL 6110 - Individual Research (3-6) **CIP:** (3)
- BIOL 6150 - Genomics (4) **CIP:** (3)
- BIOL 6210 - Introduction to Neuropharmacology (3) **CIP:**
- BIOL 6560 - Techniques of Electron Microscopy (3) **CIP:**
- BIOL 7120 - Molecular Biology (3) **CIP:**
- BIOL 7130 - Molecular Genetics (3) **CIP:**
- BIOL 7170 - Selected Topics in Molecular Genetics (3-6) **CIP:** (3)
- BIOL 7180 - Advanced Cell Biology (3) **CIP:**
- BIOL 7190 - Advanced Molecular Biology (3) **CIP:**
- BIOL 7260 - Neurobiology (3) **CIP:**
- BIOL 7270 - Selected Topics in Neurobiology (3-6) **CIP:** (3)
- BIOL 7410 - Selected Topics in Microbiology (3-6) **CIP:** (3)

Admission to Candidacy: Ph.D. Program

The student must apply for admission to candidacy after completing the 24-hour core of required courses (See Degree Requirements: Ph.D. program, above.) with an average of B (3.0) or better, passing the comprehensive examination, and gaining approval of the dissertation proposal. The student's advisory committee will recommend and approve a program of study which must be filed in the School of Graduate Studies upon admission to candidacy.

Department of Chemistry

Mohammad Karim, Ph.D., Head

201 Chemistry Building

615-963-5321

615-963-5326 (Fax)

mkarim@tnstate.edu

Major: Chemistry

Degree: Master of Science (M.S.)

Concentrations: Chemistry and Biochemistry

The Department of Chemistry offers the Master of Science (M.S.) degree in Chemistry with concentrations in Chemistry and Biochemistry. The objectives of the program include: 1) advancing, interpreting, disseminating, and preserving knowledge of chemistry; 2) engaging in research and publication of new scientific knowledge; 3) educating graduate students to take their proper place in industry, education, and public life. The M.S. degree represents from one to two academic years of full-time study beyond an acceptable bachelor's degree. The candidate must complete a program of study approved by his or her major professor, the Department Head, and the Dean of the Graduate School.

Master of Science

Chemistry, Biochemistry Concentration, M.S.

Chemistry Major

Admission Requirements

Unconditional admission to the M.S. program requires the applicant to have a Bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average (GPA) of 2.5 or better on a 4.0 scale, a letter of recommendation from a science faculty, and a statement of purpose.

Conditional admission may be gained with an overall GPA between 2.25 and 2.49, but the transcript should reflect a B average in the undergraduate chemistry courses. The student must remove the conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve which will result in withdrawal from the program. In addition, the applicant must have an undergraduate major in Chemistry, or the equivalent. In some instances, conditional admission may be granted prior to completion of the undergraduate course requirements, but a student must complete these courses before taking any graduate-level courses. Conditional admission may be granted to qualifying domestic students, but not to international students, due to visa regulations.

The student must remove the conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve this average will result in withdrawal from the program.

In addition, the applicant must have an undergraduate major in Chemistry, or the equivalent. In some instances, conditional admission may be granted prior to completion of the undergraduate course requirements, but a student must complete these courses before taking any graduate courses.

Degree Requirements

The Department offers both thesis and non-thesis options in the Master of Science degree program. A minimum of 30 semester hours of approved courses are required for the M.S. degree under the thesis option, and a minimum of 35 semester hours are required under the non-thesis option. Students who choose the non-thesis option must pass a comprehensive examination (passing score 70% or above) taken no earlier than the term in which they complete their course work. Students interested in pursuing research careers in the academia, government or industries are highly encouraged to take the thesis option.

There is no foreign language reading requirement for the M.S. degree in Chemistry.

The M.S. (Thesis option) degree requires students to complete and defend a thesis based upon his or her research.

Biochemistry Concentration: Hours- 16/9

(Thesis/Non-Thesis)

- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**
- CHEM 5110 - Research (1-9) **CIP:** (5) *
- CHEM 5120 - Thesis Writing (2) **CIP:**

Total: 16 Credit Hours

Note:

*Not required for non-thesis option

Electives:

(Include descriptions, directions, or restrictions that may apply.)

Biochemistry Concentration:

6 hrs. for thesis (one 3 hour course must be chosen in the field of Biochemistry) and 15 hrs. for non-thesis. Students following biochemistry non-thesis option are required to take a minimum of 15 hours of biochemistry courses. Choose the courses from the list above.

- CHEM 5000 - Advanced Inorganic Chemistry I (3) **CIP:**
- CHEM 5220 - Advanced Organic Chemistry II (3) **CIP:**
- CHEM 5310 - Advanced Physical Chemistry I (3) **CIP:**

Program of Study

The degree candidate must file a program of study after completing at least nine semester hours of graduate study but no more than fifteen hours. The program of study lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be

met. The student may later change the program of study with the written approval of the Department and the Graduate School.

Admission to Candidacy

The individual must file for admission to candidacy at the same time he or she submits the program of study. The candidate must have a grade point average of 3.0 or above to be eligible for admission to candidacy.

Chemistry, Chemistry Concentration, M.S.

Chemistry Major

Admission Requirements

Unconditional admission to the M.S. program requires the applicant to have a Bachelor's degree from an accredited four-year college or university, an undergraduate cumulative grade point average (GPA) of 2.5 or better on a 4.0 scale, a letter of recommendation from a science faculty, and a statement of purpose.

Conditional admission may be gained with an overall GPA between 2.25 and 2.49, but the transcript should reflect a B average in the undergraduate chemistry courses. The student must remove the conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve which will result in withdrawal from the program. In addition, the applicant must have an undergraduate major in Chemistry, or the equivalent. In some instances, conditional admission may be granted prior to completion of the undergraduate course requirements, but a student must complete these courses before taking any graduate-level courses. Conditional admission may be granted to qualifying domestic students, but not to international students, due to visa regulations.

The student must remove the conditional status by earning at least a B (3.0) average in the first nine hours of graduate courses; failure to achieve this average will result in withdrawal from the program.

In addition, the applicant must have an undergraduate major in Chemistry, or the equivalent. In some instances, conditional admission may be granted prior to completion of the undergraduate course requirements, but a student must complete these courses before taking any graduate courses.

Degree Requirements

The Department offers both thesis and non-thesis options in the Master of Science degree program. A minimum of 30 semester hours of approved courses are required for the M.S. degree under the thesis option, and a minimum of 35 semester hours are required under the non-thesis option. Students who choose the non-thesis option must pass a comprehensive examination (passing score 70% or above) taken no earlier than the term in which they complete their course work. Students interested in pursuing research careers in the academia, government or industries are highly encouraged to take the thesis option.

There is no foreign language reading requirement for the M.S. degree in Chemistry.

The M.S. (Thesis option) degree requires students to complete and defend a thesis based upon his or her research.

Major Field Core: Total credits: 11

(thesis option and non-thesis option)

- CHEM 5210 - Advanced Organic Chemistry I (3) **CIP:**
- CHEM 5510 - Advanced Analytical Chemistry (3) **CIP:**
- CHEM 5600 - Spectroscopic Methods In Chemistry (3) **CIP:**
- CHEM 6005 - Seminar I (1) **CIP:**
- CHEM 6006 - Seminar II (1) **CIP:**

Total: 11 Credit Hours

Chemistry concentration: Hours-13/6

(Thesis/Non-Thesis)

- CHEM 5000 - Advanced Inorganic Chemistry I (3) **CIP:**
- CHEM 5310 - Advanced Physical Chemistry I (3) **CIP:**
- CHEM 5110 - Research (1-9) **CIP:** (5) *
- CHEM 5120 - Thesis Writing (2) **CIP:** *

Total: 13 Credit Hours

Note:

*Not required for non-thesis option

Electives:

(Include descriptions, directions, or restrictions that may apply.)

Chemistry Concentration:

6 hrs. for thesis and 18 hrs. for non-thesis option.

Select from the list below

- CHEM 5010 - Advanced Inorganic Chemistry II (3) **CIP:**
- CHEM 5220 - Advanced Organic Chemistry II (3) **CIP:**
- CHEM 5320 - Advanced Physical Chemistry II (3) **CIP:**
- CHEM 5410 - Advanced Biochemistry I (3) **CIP:**
- CHEM 5420 - Advanced Biochemistry II (3) **CIP:**
- CHEM 6200 - Biochemistry Of Cellular Signal Transduction (3) **CIP:**
- CHEM 6405 - Special Topics In Analytical Chemistry (3) **CIP:**
- CHEM 6407 - Special Topics In Inorganic Chemistry (3) **CIP:**
- CHEM 6408 - Special Topics In Organic Chemistry (3) **CIP:**
- CHEM 6409 - Special Topics In Physical Chemistry (3) **CIP:**
- CHEM 6500 - Cancer Biochemistry And Biology: (3) **CIP:**

- CHEM 6800 - Advanced Pharmacology (3) **CIP:**
- Or any 5000 or 6000-level courses in Biology, Mathematics, Physics or Engineering would satisfy the elective requirement.

Program of Study

The degree candidate must file a program of study after completing at least nine semester hours of graduate study but no more than fifteen hours. The program of study lists the courses which will be used to satisfy degree requirements, as well as detailing how other requirements will be met. The student may later change the program of study with the written approval of the Department and the Graduate School.

Admission to Candidacy

The individual must file for admission to candidacy at the same time he or she submits the program of study. The candidate must have a grade point average of 3.0 or above to be eligible for admission to candidacy.

College of Public Service

Michael Harris, Ph.D., Professor and Dean
Office: Suite, F-400, Avon William Campus
(615) 963-7201
mharris50@tnstate.edu

The goals of the College of Public Service are to support the University's mission by engaging in educational, research, and service programs focusing upon theoretical and applied public, non-profit, government, healthcare, urban management, social work and policy formation. The Department of Public Administration offers the Master of Public Administration (MPA) degree (NASPAA accredited), the Master of Professional Studies degree (MPS), the Ph.D. degree in public policy and administration, the Graduate Certificate in Non-Profit Management, the Graduate Certificate in Healthcare Administration and Planning, the Graduate Certificate in Public Policy, the Graduate Certificate in Public Administration Executive Leadership, and the Graduate Certificate in Local Government Management. The Department of Social Work and Urban Studies offers the Master of Social Work (MSW) degree, which is a CSWE accredited degree program for part-time or full time students.

Program offerings are designed to serve individuals interested in public service who are currently working for or interested in a career in government, non-profit, public sector and healthcare agencies.

Mission Statement

The College of Public Service's mission is to educate, socialize and serve students and employers of nonprofit, healthcare and urban organizations by:

- providing educational programs that build skills in knowledge of social work, urban affairs, public administration, and leadership; **[think]**
- conducting scholarly and applied research activities supportive of these educational purposes; **[work]**
- and consulting and applying research and knowledge of social programs. **[serve]**

Department of Public Administration

Rodney Stanley, Ph.D., Department Chair
Office: Suite F-400
Avon Williams Campus
Phone: (615) 963-7249
FAX: (615) 963-7245
rstanley1@tnstate.edu

Major: Public Administration
Degree: Doctor of Philosophy (Ph.D.)

Major: Public Administration
Degree: Master of Public Administration (M.P.A.)

Major: Professional Studies
Degree: Master of Professional Studies (MPS)
Concentrations:

**Strategic Leadership
Human Resources Leadership
Training and Development**

Certificate: Healthcare Administration and Planning

**Major: Non-Profit Management
Certificate: Non-Profit Management**

**Major: Public Administration Executive Leadership
Certificate: Public Administration Executive Leadership**

Masters

Professional Studies, Human Resources Leadership Concentration, M.P.S.

Professional Studies Major

The Master of Professional Studies program is designed to affordably and flexibly meet the education needs of working adults who are not generally served by traditional methods. Offered completely online and available twenty-four hours and seven days a week, this unique program is taught by professors who are best suited to help you develop the skills necessary to excel in your career field.

This course is developed and taught in conjunction with the Tennessee Board of Regents (TBR) and the TN-eCampus. Because the MPS degree is offered online, the student must follow the ROCC hardware and software requirements and is eligible to complete all registration, advising, bookstore purchases, and even conduct library research online through both the ROCC website and the TSU website.

This graduate professional degree consists of 33 hours of interdisciplinary coursework and is available in three concentrations.

Policies

All applicants to graduate programs in the College of Public Service must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admissions Process

Applicants for admission must provide the following: 1) Application for Admission to the Office of Graduate Studies and Research; 2) application fee; 3) Graduate Record Examination scores; 4) one official transcript from all colleges and universities previously attended; 5) three letters of

recommendation; and 6) a Statement of Purpose explaining why the applicant seeks admission to the MPS program.

Admission Requirements

- Students must hold a bachelor's degree from an accredited college or university. They must be in good standing at the last school attended.
- Students must possess basic computer literacy and writing skills
- Students must adhere to the admission deadlines.

Unconditional Admission:

1. An undergraduate grade point average of at least 2.75 on a 4.0 scale from an accredited college or university.
2. An acceptable score on the GRE, generally at least 146 verbal and 144 quantitative and a 4.0 on analytical writing.

Applicants with five or more years of qualified professional work experience may submit a portfolio in lieu of the GRE. The portfolio is to include: a resume which shows the type of work done over the period and provides details of the employers; position descriptions of all positions listed on the resume; a 500 to 600 word essay describing the professional work accomplished and how the MPS will help the individual advance in the profession; examples of written documents showing professional responsibilities, honors and professional achievements; and a list of professional awards/recognition. The portfolio material must be submitted as a packet, not mailed separately. Applicants should submit their applications and the GRE scores or portfolio to the Office of Graduate Studies and Research of Tennessee State University. The admission decision will be based on the entire academic and professional record. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program.

Conditional Admission:

Conditional Admission into the MPS program may be granted temporarily by the Dean of Graduate Studies and Research upon the recommendation of the Department of Public Administration. Continuation in the program as a degree-seeking student is contingent upon fulfilling specific requirements stipulated in the conditional admission letter.

1. Graduates of accredited colleges who have not taken the Graduate Record Examination (and do not have five years of qualified professional experience) must take the GRE during the first semester of enrollment (prior to mid-term is preferred) in courses for graduate credit. They must also obtain a 3.00 GPA in all classes the first year or until unconditionally accepted.
2. Graduates of accredited colleges who have five years of qualified professional experience but who do not have completed portfolios must submit the requested documents during the first semester of enrollment (prior to mid-term is preferred) in courses for graduate credit. They must also obtain a 3.0 GPA in all classes the first year or until unconditionally accepted.
3. Students who present a grade point average (GPA) below 2.75 must, at the time of application, submit GRE scores or portfolio which are acceptable to the Department of

Public Administration. After admission, those students are required to obtain a 3.00 GPA in the first nine (9) semester hours of coursework.

Advisor:

Each student admitted to the MPS program is assigned an advisor. Students should consult with their advisors prior to registering for classes in each term of enrollment.

Degree Requirements:

Total credits required for graduation: 33

Students in the MPS program are required to take 33 total credits for graduation. The students cannot take more than 3 courses in any one discipline. Students transferring to the program cannot transfer more than 12 hours.

Concentration II: Human Resources Leadership

Human Resources Leadership prepares you for a leadership role in the area of human resources. The interdisciplinary approach is appropriate because of the many skills and knowledge areas that are needed for success in this field.

Core Courses:

Students will complete the following three core courses for nine credit hours.

- PRST 5100 - Professional Environment: Issues and Ethics (3) **CIP:**
- PRST 5200 - Globalization and the Professions (3) **CIP:**
- PRST 5300 - Research Methods (3) **CIP:**

Concentration for Human Resources Leadership:

Students will complete the following four courses for twelve credit hours.

- PRST 5040 - Human Resources Management (3)
- PRST 5600 - Statistical Analysis (3)
- PRST 5910 - Employment and Human Resources Law (3)
- PRST 5920 - Diversity in the Workplace (3)

Students will select one of the following courses for three credit hours.

- PRST 5500 - Foundations of Leadership (3)
- PRST 5310 - Leadership in Organization (3)

Students will select two of the following courses for six credit hours.

- PRST 5700 - Conflict Management and Negotiation (3)
- PRST 5930 - Compensation and Benefits (3)
- PRST 5940 - Recruitment, Selection and Retention (3)
- PRST 5400 - Instructional Design Training and Development (3)
- COMM 5110 - Leadership and Communication (3)

- JOUR 5450 - Public Relations Management (3)
- TECH 5105 - Project Planning and Scheduling (3)

Professional Project:

The Master of Professional Studies program requires every student to complete a professional project as the culmination in earning the degree

- PRST 5998 - Professional Project (3)

Professional Studies, Strategic Leadership Concentration, M.P.S.

Professional Studies Major

The Master of Professional Studies program is designed to affordably and flexibly meet the education needs of working adults who are not generally served by traditional methods. Offered completely online and available twenty-four hours and seven days a week, this unique program is taught by professors who are best suited to help you develop the skills necessary to excel in your career field.

This course is developed and taught in conjunction with the Tennessee Board of Regents (TBR) and the TN-eCampus. Because the MPS degree is offered online, the student must follow the ROCC hardware and software requirements and is eligible to complete all registration, advising, bookstore purchases, and even conduct library research online through both the ROCC website and the TSU website.

This graduate professional degree consists of 33 hours of interdisciplinary coursework and is available in three concentrations.

Policies

All applicants to graduate programs in the College of Public Service must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admissions Process

Applicants for admission must provide the following: 1) Application for Admission to the Office of Graduate Studies and Research; 2) application fee; 3) Graduate Record Examination scores; 4) one official transcript from all colleges and universities previously attended; 5) three letters of recommendation; and 6) a Statement of Purpose explaining why the applicant seeks admission to the MPS program.

Admission Requirements

- Students must hold a bachelor's degree from an accredited college or university. They must be in good standing at the last school attended.
- Students must possess basic computer literacy and writing skills
- Students must adhere to the admission deadlines.

Unconditional Admission:

1. An undergraduate grade point average of at least 2.75 on a 4.0 scale from an accredited college or university.
2. An acceptable score on the GRE, generally at least 146 verbal and 144 quantitative and a 4.0 on analytical writing.

Applicants with five or more years of qualified professional work experience may submit a portfolio in lieu of the GRE. The portfolio is to include: a resume which shows the type of work done over the period and provides details of the employers; position descriptions of all positions listed on the resume; a 500 to 600 word essay describing the professional work accomplished and how the MPS will help the individual advance in the profession; examples of written documents showing professional responsibilities, honors and professional achievements; and a list of professional awards/recognition. The portfolio material must be submitted as a packet, not mailed separately. Applicants should submit their applications and the GRE scores or portfolio to the Office of Graduate Studies and Research of Tennessee State University. The admission decision will be based on the entire academic and professional record. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program.

Conditional Admission:

Conditional Admission into the MPS program may be granted temporarily by the Dean of Graduate Studies and Research upon the recommendation of the Department of Public Administration. Continuation in the program as a degree-seeking student is contingent upon fulfilling specific requirements stipulated in the conditional admission letter.

1. Graduates of accredited colleges who have not taken the Graduate Record Examination (and do not have five years of qualified professional experience) must take the GRE during the first semester of enrollment (prior to mid-term is preferred) in courses for graduate credit. They must also obtain a 3.00 GPA in all classes the first year or until unconditionally accepted.
2. Graduates of accredited colleges who have five years of qualified professional experience but who do not have completed portfolios must submit the requested documents during the first semester of enrollment (prior to mid-term is preferred) in courses for graduate credit. They must also obtain a 3.0 GPA in all classes the first year or until unconditionally accepted.
3. Students who present a grade point average (GPA) below 2.75 must, at the time of application, submit GRE scores or portfolio which are acceptable to the Department of Public Administration. After admission, those students are required to obtain a 3.00 GPA in the first nine (9) semester hours of coursework.

Advisor:

Each student admitted to the MPS program is assigned an advisor. Students should consult with their advisors prior to registering for classes in each term of enrollment.

Degree Requirements:

Total credits required for graduation: 33

Students in the MPS program are required to take 33 total credits for graduation. The students cannot take more than 3 courses in any one discipline. Students transferring to the program cannot transfer more than 12 hours.

Concentration I: Strategic Leadership

The Master of Professional Studies with a Concentration in Strategic Leadership prepares students to lead in today's rapidly changing professional environment. Because the MPS degree is offered completely online, it offers the flexibility to plan your education around your schedule, family activities, and job demands. This graduate professional studies degree consists of 33 hours of interdisciplinary coursework in the areas of leadership, communication, strategic planning and assessment, organizational structure, research, and data analysis.

Core Courses:

Students will complete the following three core courses for nine credit hours.

- PRST 5100 - Professional Environment: Issues and Ethics (3) **CIP:**
- PRST 5200 - Globalization and the Professions (3) **CIP:**
- PRST 5300 - Research Methods (3) **CIP:**

Concentration for Strategic Leadership:

Students will complete seven of the following courses, including at least one course from each of the five subject areas.

Leadership Theory

- PRST 5500 - Foundations of Leadership (3)
- LDSP 5000 - Current Issues and Cases in Leadership (3)
- ELPA 5560 - Small Group Leadership (3)

Research/Data Analysis

- PRST 5770 - Computer-Based Decision Modeling (3)
- PRST 5600 - Statistical Analysis (3)

Organizational Structure and Change

- PRST 5310 - Leadership in Organization (3)
- PRST 5800 - Organizational Skills and Development (3)

Communication

- COMM 5110 - Leadership and Communication (3)

- JOUR 5450 - Public Relations Management (3)
- PRST 5700 - Conflict Management and Negotiation (3)

Strategic Planning and Assessment

- TECH 5105 - Project Planning and Scheduling (3)
- PRST 5040 - Human Resources Management (3)

Professional Project:

The Master of Professional Studies program requires every student to complete a professional project as the culmination in earning the degree.

- PRST 5998 - Professional Project (3)

Professional Studies, Training and Development Concentration, M.P.S.

Professional Studies Major

The Master of Professional Studies program is designed to affordably and flexibly meet the education needs of working adults who are not generally served by traditional methods. Offered completely online and available twenty-four hours and seven days a week, this unique program is taught by professors who are best suited to help you develop the skills necessary to excel in your career field.

This course is developed and taught in conjunction with the Tennessee Board of Regents (TBR) and the TN-eCampus. Because the MPS degree is offered online, the student must follow the ROCC hardware and software requirements and is eligible to complete all registration, advising, bookstore purchases, and even conduct library research online through both the ROCC website and the TSU website.

This graduate professional degree consists of 33 hours of interdisciplinary coursework and is available in three concentrations.

Policies

All applicants to graduate programs in the College of Public Service must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admissions Process

Applicants for admission must provide the following: 1) Application for Admission to the Office of Graduate Studies and Research; 2) application fee; 3) Graduate Record Examination scores; 4)

one official transcript from all colleges and universities previously attended; 5) three letters of recommendation; and 6) a Statement of Purpose explaining why the applicant seeks admission to the MPS program.

Admission Requirements

- Students must hold a bachelor's degree from an accredited college or university. They must be in good standing at the last school attended.
- Students must possess basic computer literacy and writing skills
- Students must adhere to the admission deadlines.

Unconditional Admission:

1. An undergraduate grade point average of at least 2.75 on a 4.0 scale from an accredited college or university.
2. An acceptable score on the GRE, generally at least 146 verbal and 144 quantitative and a 4.0 on analytical writing.

Applicants with five or more years of qualified professional work experience may submit a portfolio in lieu of the GRE. The portfolio is to include: a resume which shows the type of work done over the period and provides details of the employers; position descriptions of all positions listed on the resume; a 500 to 600 word essay describing the professional work accomplished and how the MPS will help the individual advance in the profession; examples of written documents showing professional responsibilities, honors and professional achievements; and a list of professional awards/recognition. The portfolio material must be submitted as a packet, not mailed separately. Applicants should submit their applications and the GRE scores or portfolio to the Office of Graduate Studies and Research of Tennessee State University. The admission decision will be based on the entire academic and professional record. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program.

Conditional Admission:

Conditional Admission into the MPS program may be granted temporarily by the Dean of Graduate Studies and Research upon the recommendation of the Department of Public Administration. Continuation in the program as a degree-seeking student is contingent upon fulfilling specific requirements stipulated in the conditional admission letter.

1. Graduates of accredited colleges who have not taken the Graduate Record Examination (and do not have five years of qualified professional experience) must take the GRE during the first semester of enrollment (prior to mid-term is preferred) in courses for graduate credit. They must also obtain a 3.00 GPA in all classes the first year or until unconditionally accepted.
2. Graduates of accredited colleges who have five years of qualified professional experience but who do not have completed portfolios must submit the requested documents during the first semester of enrollment (prior to mid-term is preferred) in courses for graduate credit. They must also obtain a 3.0 GPA in all classes the first year or until unconditionally accepted.

3. Students who present a grade point average (GPA) below 2.75 must, at the time of application, submit GRE scores or portfolio which are acceptable to the Department of Public Administration. After admission, those students are required to obtain a 3.00 GPA in the first nine (9) semester hours of coursework.

Advisor:

Each student admitted to the MPS program is assigned an advisor. Students should consult with their advisors prior to registering for classes in each term of enrollment.

Degree Requirements:

Total credits required for graduation: 33

Students in the MPS program are required to take 33 total credits for graduation. The students cannot take more than 3 courses in any one discipline. Students transferring to the program cannot transfer more than 12 hours.

Concentration III: Training and Development

Training and Development prepares individuals to manage, deliver and assess on-site training programs. It also addresses the needs of human resource managers and other professionals who are increasingly relying on technology to deliver workforce education.

Core Courses:

Students will complete the following three core courses for nine credit hours.

- PRST 5100 - Professional Environment: Issues and Ethics (3) **CIP:**
- PRST 5200 - Globalization and the Professions (3) **CIP:**
- PRST 5300 - Research Methods (3) **CIP:**

Concentration for Training and Development:

Students will complete five of the following courses for fifteen credit hours.

- PRST 5770 - Computer-Based Decision Modeling (3)
or
- PRST 5600 - Statistical Analysis (3)
- PRST 5410 - Evaluation of Learning (3)
- PRST 5420 - Organizational Needs Analysis (3)
- PRST 5400 - Instructional Design for Training and Development (3)
- PRST 5470 - Facilitation of Learning (3)

Specialization Options:

Students will complete two courses for six credit hours.

- PRST 5430 - Advanced Instructional Design for Training and Development (3)
- TECH 5105 - Project Planning and Scheduling (3)
- PRST 5020 - Human Resources Management (3)

- PRST 5440 - Engaging the Adult Online Learner (3)
- PRST 5450 - Computer-Based Technologies for E-Training (3)
- PRST 5910 - Employer and Human Resources Law (3)
- PRST 5920 - Diversity in the Workplace (3)

Professional Project:

The Master of Professional Studies program requires every student to complete a professional project as the culmination in earning the degree

- PRST 5998 - Professional Project (3)

Public Administration, M.P.A.

The MPA program is administered fully online and prepares students for administrative positions in local, state, or national government and in non-profit agencies. The MPA is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NSAPAA). It requires 36 credits of coursework plus an internship of 6 credits.

A modern public administrator must understand administrative processes, all factors that affect them, and their implications for the vital issues which affect our society. Administrators must be able to analyze government- and policy-related problems and recommend appropriate courses of action to elected officials and other public policymakers. In order to accomplish the public mission, it is essential that public administrators have specific skills and knowledge in areas such as financial administration, personnel management, evaluation, research design, statistics, computer utilization, and the management and leadership of large organizations. Our graduates are professionals qualified by their specialized knowledge, skills, and abilities to assume key leadership and managerial positions in the public sector.

Policies

All applicants to graduate programs in the College of Public Service and Urban Affairs must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admission Process and Requirements

To be considered for admission, all applicants must provide the following items via the online Graduate School admission portal: GradCAS: (1) Application for Admission; (2) application fee; (3) official documentation of the general Graduate Record Examination submitted directly to the Graduate School with a score averaging 20th percentile or above across the verbal and

quantitative sections; (4) one official transcript from all colleges and universities previously attended, showing a cumulative GPA of 2.5 or higher for the undergraduate degree; (5) three letters of recommendation from persons familiar with the applicant's potential for masters-level study in public administration; and (6) a 500- to 1,000-word Statement of Purpose discussing why the applicant is interested in a master's degree, and why the master's program in public administration specifically is a good fit for their goals. All applicants are expected to be competent in written and spoken English and must possess basic computer literacy; applicants who have English as a foreign language must meet the minimum English Proficiency requirements set by the Graduate School. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program. Students completing one of the four certificate programs offered in the Department of Public Administration with a GPA of 3.33 or higher may have the GRE waived for admission into the MPA degree.

Prerequisite: All applicants are required to have completed satisfactorily (i.e., grade of C or higher) POLS 2010 (American National Government), URBS 2010 (Introduction to Urban Studies) or URBS 4700 (American Government Institutions and Urban Governance) or an equivalent undergraduate course in government prior to unconditional admission. A graduate-level course in this subject can also be used to meet this requirement.

Applicants who have not submitted a qualifying score on the Graduate Record Examination and/or have not satisfied the American Government course prerequisite may be conditionally admitted for one term only. Students admitted conditionally must submit an acceptable Graduate Record Examination test score and/or proof of satisfaction of the prerequisite by the end of the first semester of enrollment. A conditionally admitted student who does not satisfactorily meet all conditions by this deadline may not be allowed to register for further coursework in the MPA program until conditions are met.

Advisor

Each student admitted to the MPA program is assigned an advisor; advisors are listed by program responsibility on the department website. Students should consult with their advisors prior to registering for classes in each term of enrollment. It is the student's responsibility to contact the advisor when consultation is needed.

Degree Requirements

- A. Master's Core. Students must satisfy the nine-course core requirement plus any prerequisite courses. Enrollment in a specific course may be waived for students having equivalent graduate course work. Waiver of a core course requirement does not reduce the total credit hours which must be earned toward the degree.
- B. Electives. Students may select, with the approval of their advisors, and three 6000 level courses offered by the Department. With the permission of the student's advisor, a maximum of 12 semester credit hours of coursework may be taken outside of the Department, including courses transferred from another institution.
- C. Internship. The total credit hours for the MPA include 6 credits for a supervised internship of 300 hours. Students typically work for state or city agencies acquiring practical experience in government or in an appropriate nonprofit agency. All internships

must be approved by the internship coordinator prior to the student making a commitment to an agency. Students may be approved for an internship after completing 15 credit hours of course work.

- D. Students with one year or more of significant public, nonprofit, or healthcare professional administrative experience may be exempted from the internship requirement and have a reduction of 6 credits in the total credits required for the MPA. This exemption is contingent on advisor approval of the exemption application and must be discussed with the advisor at the time of the program of study filing or before. Qualified students seeking an internship exemption must submit an Application for Internship Exemption accompanied by a reflective essay relating their academic study to their work experience. Further instructions should be sought from the advisor.
- E. Comprehensive Examination. Students must pass a written comprehensive examination, taken no earlier than the term in which all coursework is completed.
- F. Writing Portfolio. Each student is required to assemble and submit a writing portfolio, which must be judged as passing prior to graduation. It should be submitted in the semester of graduation. Typically this is due within one week of the comprehensive exam. Detailed instruction on the writing portfolio may be found on the CPSUA website.

Course Scheduling

To align with the contemporary needs of students and working professionals, courses are delivered fully online. Students are urged to check the course schedule each semester for course offerings, as well as correspond or meet with their advisor to ensure that they are enrolling in the correct courses.

Program of Study

Required Core Courses, all students - 27 credits

- PADM 6110 - Statistics For Public Administrators I (3) **CIP:**
- PADM 6130 - Research Methods in Public Administration (3) **CIP:**
- PADM 6150 - Information Technology in the Public Sector (3) **CIP:**
- PADM 6210 - Seminar in Public Administration (3) **CIP:**
- PADM 6230 - Seminar in Fiscal Management: Public Budgeting (3) **CIP:**
- PADM 6240 - Seminar in Staff Functions: Personnel (3) **CIP:**
- PADM 6310 - Seminar in Organization Theory (3) **CIP:**
- PADM 6410 - Seminar in Public Policy Analysis (3) **CIP:**
- PADM 6490 - Seminar in Politics of Administration (3) **CIP:**
- PADM 6500 - Internship in the Public Service (6) **CIP:** (unless student is exempted)

Internship - 6 additional credits unless exempted

- PADM 6500 - Internship in the Public Service (6) **CIP:**

Concentration or Elective Courses - 9 credits

Each MPA student will be required to complete 9 elective credits which may be chosen from Healthcare Administration & Planning certificate courses, Nonprofit Management certificate courses or general MPA elective courses. Elective choices must be discussed with the advisor.

Doctoral

Public Policy and Administration, Ph.D.

The Ph.D. program with a major in public policy and administration is designed to serve the specialized interest of students preparing for either academic or professional public management careers.

The program emphasizes the various contexts and forms of public policy and administration in contemporary society as well as an understanding of knowledge areas basic to the profession. These include the application of theory and analytical techniques appropriate for solving management and policy problems and for undertaking a systematic inquiry into the discipline.

Since the curriculum explores and compares theory with administrative practice, students should enter the program with experience in public or non-profit administration. Applicants lacking this background are encouraged to pursue this degree later in their careers.

The Ph.D. program is designed to play a number of significant roles in public service. It provides:

1. Students with the necessary education for meeting the increasingly complex challenges facing middle and senior managers at all levels of government.
 2. Public and non-profit organizations with qualified individuals who are capable of undertaking independent research on organizational, managerial, or public policy issues.
 3. Higher education institutions with instructors and researchers prepared to represent and advance the field and profession of public administration.
- Classes are scheduled with the fully employed individual in mind. Core and elective courses typically meet one evening per week. In addition, elective courses may be available in hybrid or online format.

Policies

All applicants to graduate programs in the College of Public Service and Urban Affairs must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate.

A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Prerequisites

Students entering the program must possess a Master's degree. The Master's degree, whether the MPA or another degree, should include the knowledge and skills common to an understanding of public administration. A student admitted to the Ph.D. program who has not acquired the requisite knowledge and skill base may expect a longer commitment of time to complete the Ph.D. degree. The prerequisite knowledge and skills include:

1. Quantitative Skills-statistical, research, and computer use.
2. Public Management-political, legal, social, and economic contexts of public administration.
3. Organizations-theory and analysis of organizations and the human resources within organizations.
4. Fiscal Management-operational and program audits, budgeting.

Admission Process and Requirements

To be considered for admissions, applicants must provide the following items to the Graduate School: (1) Application for Admission to the Graduate School; (2) Application Fee; (3) Graduate Record Examination (GRE) score of at least the 35th percentile averaging across the verbal and quantitative sections (only the General Test is required) and a writing score of 3.5; (4) one official transcript from all colleges and/or universities previously attended (to be submitted with the Application for Admission); applicants must have a Master's degree in an associated field from an accredited university and a grade point average of at least 3.25 in previous graduate studies; (5) three letters of recommendation from persons familiar with the applicant's potential for doctoral level study in public administration; (6) a 500-1,000 word essay discussing personal, academic, and career goals as well as interests and experience in the area of public administration; and (7) a sample copy of the applicant's single-author academic or professional writing (e.g., graduate term paper, thesis, academic/professional clinical study, or policy analysis/management report). Once all these materials have been submitted and minimum requirements for consideration have been met, the department chair will contact the applicant to schedule an admissions interview. Applicants must also receive a positive recommendation from the Ph.D. Admission committee after the interview process, and after the application and all other admission materials have been evaluated. Students completing the Masters of Public Administration degree, at TSU with a GPA of 3.7, may have the GRE waived for admission into the Ph.D. program.

All applicants are expected to be competent in written and spoken English and must possess basic computer literacy; international applicants whose native language is not English are required to meet the English proficiency requirements set by the Graduate School be considered for admission to the Ph.D. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program.

Credits Needed

The Ph.D. degree requires 36-course credits beyond the Master's degree and at least 12 dissertation credits (total number of dissertation credits will depend on how fast the student

progresses in the research phase). Credits needed to meet Ph.D. requirements must include each of the seven core courses cited in the program of study, below.

Transfer Credit

Students who have credits beyond the Master's degree may be permitted to apply to transfer a maximum of six credits for course work applicable to public administration to the Ph.D. program if approved by the department chair.

Retention

Students must maintain a cumulative grade point average (GPA) of 3.00 or better on the scale of 4.00, and pass all courses throughout the program to remain in good academic standing. Students must have a grade of B or better in all Ph.D. core courses and may not have more than two C grades in other courses used to meet degree requirements. Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades. After completion of nine (9) semester hours of graduate work, if the student's cumulative GPA at the end of a given semester falls below 3.00, the student will be placed on academic probation for the next semester and must satisfy the existing University and Graduate School requirements to return to good academic standing. Students may be dismissed from the program upon recommendation of the Ph.D. Advisory Committee for continued probation beyond two consecutive semesters.

Academic Load

Students who are on leave of absence from full-time employment or who have made arrangements to pursue studies on a full-time basis may take up to twelve (12) hours of credit a semester, with the approval of their advisor. Students working full-time in their professional capacities may enroll for no more than six (6) credit hours each semester without requesting permission from the department chair to take additional classes.

Early Review

After nine credit hours of enrollment in the doctoral programs, students will be interviewed and evaluated as to their strengths and weaknesses performing in the program to date. Remediation or other action, including a recommendation to withdraw, may be indicated at this time.

Time Limitation for Credit

Post-Master's degree credits earned more than ten (10) years prior to a student's graduation may not be applied toward the Ph.D. degree.

Sequence of Courses and Course Selection

The sequence of courses taken towards the Ph.D. degree must be determined in consultation with the Ph.D. program advisor. Staffing and enrollment limitations make it necessary to offer courses in rotation. If a student chooses for any reason not to take a required core course when it is offered or fails to obtain the required grade in the core course, the student must wait until the next time that course is offered in the scheduled rotation. However, if a student registers for a scheduled course when it is offered and the course is canceled due to low enrollment, the Department will make reasonable efforts to make an alternate plan for the student. Contact the department chair regarding upcoming course availability.

Preliminary Examination

After taking the first four Ph.D. core courses, PADM 7000; PADM 7310; PADM 7410; and either PADM 7130, PADM 7220, or 7230, each Ph.D. student must pass the preliminary exam at the first available offering of the exam or they will be dismissed from the program. The preliminary exam is offered in Spring and Fall at mid-semester on the date announced by the department. The student must be in good academic standing both according to Graduate School and Public Administration Department program criteria to sit for this exam, including having no I's or grades lower than a B in the Ph.D. core courses.

If the student passes the preliminary exam he or she will seek a dissertation chair among the faculty. If a student fails, he or she may take the preliminary exam the next time it is offered with the approval of the Ph.D. program committee; but in the meantime, he or she may not re-enroll in any additional Ph.D. courses. If he or she fails the preliminary exam two times, the student is dismissed from the Ph.D. program. In this case, he or she may elect to apply for the MPA or MPS program.

Preliminary Examination format

This written exam will consist of multiple essay questions. Details will be provided by the department during the semester of the exam. The exam will be administered over the course of one day from 8:00 am to 5:00 pm.

Qualifying Examination

This examination is offered in Spring and Fall on a date determined by the committee. In a student's final semester of Ph.D. coursework, or before the end of the second regular semester following their final semester of coursework, he or she must sit for the Qualifying Examination. For example, if a student completed coursework in Fall semester, he or she must sit for their Qualifying exam before the end of the next Fall semester and if they completed coursework in Spring semester, he or she must sit for the Qualifying exam before the end of the next Spring semester.

A student must be in good academic standing both according to Graduate School and Department criteria to sit for the exam, including having no I's or grades lower than a B in the Ph.D. core courses. If having completed all coursework, an eligible student does not sit for the exam within two regular semesters, he or she is dismissed from the program. If a student fails the qualifying examination and the student's committee approves the request to take it again, he or she may take the qualifying exam again no later than the next available offering (the questions will be different from the first exam). This exam may only be taken twice. If the student does not retake the exam at the next available offering, he or she is dismissed from the program.

Qualifying Examination format

The student's qualifying examination will be developed by the student's committee (Chair and second member at the minimum; the third member can choose to participate.) in conjunction with the other PA faculty. The members of the student's Committee and one outside PA faculty member will assess the overall quality of the qualifying examination with a grade of pass or fail, based on the view of the majority. This is a two-part examination; the first part is written and the second oral. The written examination will consist of a series of questions specific to the student's topical area of interest and one general public administration question. All students who complete the written exam will be required to take the second part of the exam on a different

day; it consists of an oral examination by the student's committee and the Public Administration faculty that choose to attend. The oral exam is a free-ranging discussion in which the student must demonstrate public administration competency relevant to their specialization area. The decision of whether a student has passed the qualifying exam will be based on the judgment of the committee considering both the written and oral exam performance of the student.

Candidacy

Once a student has passed the qualifying exam, he or she is a candidate and may register for dissertation credit.

Dissertation Committee

In brief, the selection of Dissertation Committee members is as follows. Additional detail and possible models for committee composition are available online at the Ph.D. program page in the Department of Public Administration website. The Chair is selected immediately after passing the Preliminary exams. The second and third members are selected while the student is completing Ph.D. coursework. The timing of selecting the fourth member and the reader of the Dissertation committee will be determined by the student's Chair.

Some Chairs prefer to select the fourth member and reader before the Prospectus Defense while others prefer to wait until afterward. The fourth member may be program faculty or a subject matter or methods expert from another department with Graduate Faculty status; the reader is from another department of the University with Graduate Faculty status. This committee of five members will sit as the final examining body for the dissertation defense. If they have been selected prior to the Prospectus Defense, the fourth and fifth members may also choose to participate in the prospectus defense. Every Dissertation committee must have a majority of members from the Public Administration faculty.

Prospectus Defense

Students must defend their prospectus within two regular semesters after successfully completing the qualifying exam. A student may only attempt to defend a prospectus two times, and the second attempt must take place within one regular semester of the first attempt. If a student does not successfully defend a prospectus within these constraints, the student is dismissed from the program. The format for the Prospectus will be provided to the student by their committee chair.

Dissertation

The student must continue to take dissertation credits, by registering for PADM 8110 every semester (in the section assigned to their dissertation chair) until a total of 12 dissertation credit hours have been accumulated. From that point on, students register for dissertation continuation credits (PADM 8110 Section 35) at a reduced rate. The student must engage in original, scholarly and significant research in public administration or public policy, guided in this endeavor by the dissertation committee. On the basis of this research, the student must write a work of publishable quality adhering to the style and format required by the Graduate School. The draft of the dissertation must be considered suitable for defense by all members of the student's dissertation committee for the defense to occur.

Dissertation Defense

Once the full committee approves the dissertation draft for defense, the student must make an oral defense of the dissertation before this body and in the presence of all others who choose to

attend. In defending the dissertation, the student is expected to relate its significance to the field of knowledge to which it contributes and to the general field of public administration. The student is judged to have passed the final oral examination if at least four of the five examining committee members certify to that effect. Students failing the defense may be reexamined only once, conditional on the approval of the committee. A majority of the committee will determine if "substantial" or "minor" revisions to the dissertation are necessary after a passing defense. Should substantial revision be necessary due to deficiencies in the dissertation draft, the Dissertation Committee will reconvene at a later date to decide if those deficiencies have been fully addressed. The student may not graduate until a majority of the committee approves the major revisions. In cases where minor corrections are required on the dissertation, the Dissertation Committee Chair shall be responsible for seeing that the proper corrections are made and the final document is ready for submission to the Graduate School in preparation for graduation.

Program of Study

Students should complete a Program of Study with the Ph.D. Advisor after the student has completed nine credits of coursework towards the Ph.D. degree.

Quantitative Skills Core - 6 credits

- PADM 7130 - Research Methodology in Public Administration (3) **CIP:**
- PADM 7140 - Applied Quantitative Techniques in Public Administration (3) **CIP:**

Doctoral Core - 15 credits

- PADM 7000 - Seminar in Theory and Practice of Public Administration (3) **CIP:**
- PADM 7220 - Seminar in Administrative Management (3) **CIP:**
- PADM 7230 - Public Budgeting II (3) **CIP:**
- PADM 7310 - Seminar in Public Organization Theory (3) **CIP:**
- PADM 7410 - Seminar in Public Policy Implementation (3) **CIP:**

Doctoral Electives - 15 credits

Elective courses must be selected in consultation with the student's advisor and may be chosen from program offerings. Upon the recommendation of the student's advisor and the approval of the department head, a portion of this work may be taken outside of the Department.

Dissertation Research - 12 hours (minimum)

Certificate

Healthcare Administration and Planning Certificate

The Graduate Certificate in Healthcare Administration and Planning is an 18-credit hour program offered fully online by the College of Public Service to serve the professional needs of individuals working in public, private and non-profit agencies concerned with health administration, planning or policy. The program assists students in conceptualizing the changing world of health care delivery and management. Community health practitioners and College faculty design and teach courses with a practical, applied orientation. The Certificate is offered as a stand-alone credential and as part of the MPA curriculum.

Policies

All applicants to graduate programs in the College of Public Service must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admission Process

To be considered for admission, applicants for the Graduate Certificate must provide: (1) a completed Application for Admission to the Graduate School; (2) application fee; (3) one official transcript of undergraduate work showing the award of a baccalaureate degree from an accredited college or university showing at least a 2.5 cumulative grade point average. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program. The graduate certificate is not a degree, and certificate completers do not walk at Commencement ceremonies unless they are completing a degree program at the same time.

Students admitted to the certificate program who wish to apply their certificate credits toward completion of the MPA degree must also apply for the MPA degree, meet all MPA admission standards, and be admitted.

Advisor

Each student will be assigned an adviser upon official admission; advisers are listed by program responsibility on the department website. Students should consult with their advisers prior to registering for classes in each term of enrollment. It is the student's responsibility to contact the advisor when consultation is needed.

Certificate Program of Study

- PADM 6110 - Statistics For Public Administrators I (3) **CIP:**
- PADM 6130 - Research Methods in Public Administration (3) **CIP:**
- PADM 6190 - Financial Management for Health and Non-Profit Organizations (3) **CIP:**
- PADM 6210 - Seminar in Public Administration (3) **CIP:**
- PADM 6515 - Health Organizations and Delivery Systems (3) **CIP:**
- PADM 6550 - Epidemiology (3) **CIP:**

Local Government Management Certificate

The Graduate Certificate in Local Government Management is an 18-credit hour program offered fully online by the College of Public Service to serve the professional needs of individuals working in public, private and non-profit agencies concerned with efficient and effective management at the local government level (town, city, and county governments). The program assists students in conceptualizing the changing world of local government management. College faculty design and teach courses that have a practical, applied orientation, and that pertain to the local government management dynamics unique to Middle Tennessee. The Certificate is offered as a stand-alone credential and as part of the MPA curriculum.

Policies

All applicants to graduate programs in the College of Public Service must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admission Process

To be considered for admission, applicants for the Graduate Certificate must provide: (1) a completed Application for Admission to the Graduate School; (2) application fee; (3) one official transcript of undergraduate work showing the award of a baccalaureate degree from an accredited college or university showing at least a 2.5 cumulative grade point average. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program. The graduate certificate is not a degree, and certificate completers do not walk at Commencement ceremonies unless they are completing a degree program at the same time. Students admitted to the certificate program who wish to apply their certificate credits toward completion of the MPA degree must also apply for the MPA degree, meet all MPA admission standards, and be admitted.

Advisor

Each student will be assigned an adviser upon official admission; advisers are listed by program responsibility on the department website. Students should consult with their advisers prior to registering for classes in each term of enrollment. It is the student's responsibility to contact the advisor when consultation is needed.

Certificate Program of Study

- PADM 6210 - Seminar in Public Administration (3) **CIP:**

- PADM 6230 - Seminar in Fiscal Management: Public Budgeting (3) **CIP:**
- PADM 6240 - Seminar in Staff Functions: Personnel (3) **CIP:**
- PADM 6290 - Seminar in Intergovernmental Administration (3) **CIP:**
- PADM 6420 - Conflict Management and Resolution (3) **CIP:**
- PADM 6440 - Seminar in Urban Administration (3) **CIP:**

Non-Profit Management Certificate

The Graduate Certificate in Non-Profit Management is an 18-credit hour program offered fully online by the College of Public Service. It offers individuals working in non-profit organizations, or those considering a career in non-profit enterprises, an opportunity to enhance managerial, professional, analytical, and research abilities. A part-time student can complete certificate requirements within twelve months, and the program is designed to fit within an existing Master of Public Administration (MPA) degree to accommodate those students who may wish to enroll in and complete that degree program.

Policies

All applicants to graduate programs in the College of Public Service and Urban Affairs must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertain to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate.

A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admission Process

To be considered for admission, applicants for the Graduate Certificate must provide: (1) a completed Application for Admission to the Graduate School; (2) application fee; (3) one official transcript of undergraduate work showing the award of a baccalaureate degree from an accredited college or university showing at least a 2.0 cumulative grade point average. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program. The graduate certificate is not a degree, and certificate completers do not walk at Commencement ceremonies unless they are completing a degree program at the same time.

Students admitted to the certificate program who wish to apply their certificate credits toward completion of the MPA degree must also apply for the MPA degree, meet all MPA admission standards, and be admitted.

Advisor

Each student will be assigned an adviser upon official admission; advisers are listed by program responsibility on the department website. Students should consult with their advisers prior to registering for classes in each term of enrollment. It is the student's responsibility to contact the advisor when consultation is needed.

Certificate Program of Study

- PADM 6130 - Research Methods in Public Administration (3) **CIP:**
- PADM 6190 - Financial Management for Health and Non-Profit Organizations (3) **CIP:**
- PADM 6210 - Seminar in Public Administration (3) **CIP:**
- PADM 6240 - Seminar in Staff Functions: Personnel (3) **CIP:**
- PADM 6950 - Introduction to Non-profit Organizations (3) **CIP:**
- PADM 6960 - Resource Development for Non-Profit Organizations (3) **CIP:**

Note: Individuals pursuing the certificate only must take all six courses. Unconditionally admitted MPA students must complete PADM 6190, PADM 6950, and PADM 6960 as their MPA electives in order to obtain the Non-Profit Management certificate, along with the MPA degree. The Certificate will not be awarded before the successful completion of the MPA in this case.

Public Administration Executive Leadership Certificate

The Public Administration Executive Leadership certificate is an 18-credit program of study designed for working professionals in governmental or nonprofit leadership positions that are defined as, or similar to, but not limited to, the federal definition for executive service adopted by the U.S. Office of Personnel Management in 2012. The certificate intends to train and educate participants in successful leadership skills necessary for carrying out the business of government based on proven methods of managing human and budgetary resources in complex organizations.

Policies

All applicants to graduate programs in the College of Public Service and Urban Affairs must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration).

We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admission Process

The Public Administration Executive Leadership certificate is a cohort-only program and participants must be chosen by a sponsoring governmental or nonprofit agency.

To be considered for admission, applicants for the Graduate Certificate must provide: (1) a completed Application for Admission to the Graduate School; (2) application fee; (3) one official transcript of undergraduate work showing the award of a baccalaureate degree from an accredited college or university showing at least a 2.0 cumulative grade point average. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program. The graduate certificate is not a degree, and certificate completers do not walk at Commencement ceremonies unless they are completing a degree program at the same time.

Advisor

Each student will be assigned an adviser upon official admission; advisers are listed by program responsibility on the department website. Students should consult with their advisers prior to registering for classes in each term of enrollment. It is the student's responsibility to contact the advisor when consultation is needed.

Certificate Program of Study

- PADM 6240 - Seminar in Staff Functions: Personnel (3) **CIP:**
- PADM 6260 - Seminar in Staff Functions: Budgeting as a Management Tool (3) **CIP:**
- PADM 6270 - Seminar in Administrative Leadership: The Public Executive (3) **CIP:**
- PADM 6310 - Seminar in Organization Theory (3) **CIP:**
- PADM 6400 - Project Development and Implementation (3) **CIP:**
- PADM 6420 - Conflict Management and Resolution (3) **CIP:**

Note: Individuals pursuing the certificate will take all six courses. Selected courses may count as electives in the MPS and MPA degrees with advisor approval.

Public Policy Certificate

The Graduate Certificate in Public Policy is an 18-credit hour program offered fully online by the College of Public Service. It offers individuals working in non-profit organizations, or those considering a career in non-profit enterprises, an opportunity to enhance managerial, professional, analytical, and research abilities. A part-time student can complete certificate requirements within twelve months, and the program is designed to fit within an existing Master of Public Administration (MPA) degree to accommodate those students who may wish to enroll in and complete that degree program.

Policies

All applicants to graduate programs in the College of Public Service must also consult the Graduate School policies detailed at the beginning of the Graduate Catalog, which pertains to all TSU graduate students. All students are expected to be familiar with and to adhere to both Graduate School policies and specific departmental requirements for their degree and/or graduate certificate. A cumulative grade point average of 3.0 in all graduate courses taken at Tennessee

State University is required for successful completion of graduate certificates or graduate degree programs; individual programs may also have more restrictive policies as detailed in their Catalog section (for example, C grades in core courses are not accepted for the Ph.D. in public administration). We abide by Graduate School policies including those regarding retention, probation, suspension, and time limitations for degrees (see the front matter of this Catalog). Per Graduate School policy, a given course in our programs may be repeated one time only, and the second grade will replace the first. A student may repeat a maximum of two (2) courses in a given program for the purpose of improving grades.

Admission Process

To be considered for admission, applicants for the Graduate Certificate must provide: (1) a completed Application for Admission to the Graduate School; (2) application fee; (3) one official transcript of undergraduate work showing the award of a baccalaureate degree from an accredited college or university showing at least a 2.5 cumulative grade point average. The admission decision will be based on the entire academic and professional record after the conditions specified here have been met. Applicants will be granted unconditional admission if the overall record (based on the above variables) indicates a high potential for success in the program. The graduate certificate is not a degree, and certificate completers do not walk at Commencement ceremonies unless they are completing a degree program at the same time. Students admitted to the certificate program who wish to apply their certificate credits toward completion of the MPA degree must also apply for the MPA degree, meet all MPA admission standards, and be admitted.

Advisor

Each student will be assigned an advisor upon official admission; advisors are listed by program responsibility on the department website. Students should consult with their advisors prior to registering for classes in each term of enrollment. It is the student's responsibility to contact the advisor when consultation is needed.

Certificate Program of Study

- PADM 6210 - Seminar in Public Administration (3) **CIP:**
- PADM 6410 - Seminar in Public Policy Analysis (3) **CIP:**
- PADM 6130 - Research Methods in Public Administration (3) **CIP:**
- PADM 6390 - Ethics and Values in the Public Service (3) **CIP:**
- PADM 6430 - Seminar in Contemporary Public Policies (3) **CIP:**
- PADM 6450 - Decision Tools and Project Planning 3 **CIP:**

Note: Individuals pursuing the certificate only must take all six courses. Unconditionally admitted MPA students must complete PADM 6450 (Decision Tools), PADM 6390, and PADM 6430 as their MPA electives in order to obtain the Public Policy certificate, along with the MPA degree. The Certificate will not be awarded before the successful completion of the MPA in this case.

Department of Social Work & Urban Studies

Cara Robinson, Ph.D., Department Chairman
Avon Williams Campus, Suite F-402
615-963-7243
crobin1@tnstate.edu

MID-TENNESSEE COLLABORATIVE MASTERS OF SOCIAL WORK (MTC-MSW) PROGRAM

Dolores Butler, LAPSW
Interim Director, Social Work Program
Tennessee State University
310G Jane E. Elliott Hall (Women's Building)
615-963-7641

Major: Social Work

Degree: Master of Social Work

Masters

Social Work, M.S.W.

The Masters of Social Work (MSW) is offered as a collaborative Program with Middle Tennessee State University and Austin Peay State University.

Mission

The mission of the Mid-Tennessee Collaborative Master of Social Work Program, is dedicated to the enhancement of human well-being, diversity, and social justice through developing and improving systems of public social services, especially for children and families, by offering graduate training in Social Work with a hybrid model of delivery. The purpose of the Mid-Tennessee Collaborative Master of Social Work (MTC-MSW) Program is to prepare students for Advanced Generalist Social Work Practice with systems of all types and sizes in both rural and urban areas; to prepare knowledgeable and competent professionals; and to provide leadership in the development of social delivery services, especially public social services.

Program Goals

The goals of the MTC-MSW Program emerge directly from the defined mission, the character of the region to be served, and the body of social work literature on the efficacy of the advanced generalist model for professional social work practice. To fulfill the above mission, the six goals of the MSW program are:

1. To prepare a diverse student population for advanced generalist social work practice based on professional values and ethics to serve client systems of various sizes and types.
2. To promote the development of social policies and services to reduce the impact of poverty, oppression and discrimination.
3. To develop analytical skills and critical thinking that will encourage active participation in the development, evaluation, and improvement of social work knowledge and skills through research aimed at advancing social work practice.

4. To promote the development of a multiple theoretical orientations applicable across system sizes.
5. To provide an understanding of diversity and cultural competence with an emphasis on social justice, empowerment, and improving the well-being of people.
6. To socialize students to the profession of social work and the organizational environment through evidenced based practice.

Admission Requirements

Students must first be admitted to the Graduate School/College of their home campus. The minimum GPA for admission to the foundation (two years) program at TSU is 2.75. All application materials are submitted directly to the TSU School of Graduate Studies and Research or their selected home campus. The application will consist of:

1. A completed MSW Application Form which includes an essay.
2. Three (3) letters of recommendation from professionals who can address the applicant's interest in social work; their potential for successfully completing a Master's program; and potential for professional social work practice.

Students applying for Advanced Standing must have completed a Bachelor of Social Work from a program accredited by the Council on Social Work Education and have a minimum GPA of 3.0 in their undergraduate course work.

Degree Requirements

The program structure is as follows:

Students may attend either full time or part-time. Full-time foundation (two years) students will complete the program in two years. Part-time foundation (two years) students will complete the program within four years. Full time advanced standing students (one year) can complete the program in one year; part-time will take two years. Students may also choose a combination which will allow them to complete the program in three years.

M.S.W. Foundation Courses: 30 Hours

- SOWK 6000 - Msw Practice I (3) **CIP:**
- SOWK 6010 - Human Behavior and The Social Environment (3) **CIP:**
- SOWK 6020 - Research I (3) **CIP:**
- SOWK 6030 - Social Welfare Policy and Services (3) **CIP:**
- SOWK 6100 - Msw Practice II (3) **CIP:**
- SOWK 6110 - Social Justice & Equity for Multicultural Populations (3) **CIP:**
- SOWK 6120 - Research II (3) **CIP:**
- SOWK 6130 - Practicum IA (3) **CIP:**
- SOWK 6140 - Practicum IB (3)

M.S.W. Concentration Courses 30 Hours

- SOWK 6200 - Advanced Practice with Individuals (3) **CIP:**

- SOWK 6210 - Advanced Practice with Families (3) **CIP:**
- SOWK 6220 - Advanced Group Practice (3) **CIP:**
- SOWK 6230 - Advance Macro Practice (3) **CIP:**
- SOWK 6240 - Social Policy Analysis (3) **CIP:**
- SOWK 6300 - Empirical Social Work Practice (4) **CIP:** (3)
- SOWK 6310 - Practicum IIA (4) **CIP:** (3)
- SOWK 6320 - Practicum IIB (4) **CIP:** (3)

Electives: 15 Hours

- SOWK 5000 - Special Topics (3) **CIP:** (online) Foundation (9)
- Advance Standing (Concentration) (6)

Additional Information

Admission to Candidacy

The criteria for admission to Candidacy are as follows:

- Unconditionally admitted to the MSW program
- Successfully completed a minimum of 12 hours of graduate work
- Maintained a cumulative GPA of 3.0
- Secured a faculty recommendation for candidacy
- Filed a plan/program of study with the School of Graduate Studies & Research which includes appropriate approvals from the advisor, departmental chair, and dean.

Comprehensive Examinations

The MSW is a non-thesis program. The culminating experience for the MSW program will be a written comprehensive examination completed in the student's final semester of study. The exam incorporates both the application of research and the integration of classroom and field-based learning experiences. Information about the comprehensive exam will be provided in the SOWK 6300 - Empirical Social Work Practice (4) course during that final semester.

College of Public Service Graduate Faculty (Public Administration)

Alex S. Sekwat, Professor and Interim Dean, School of Graduate Studies and Research B.S., 1985, University of Khartoum; M.P.A., 1988, Arkansas State University; Ph.D., 1994, Florida Atlantic University

Angela Nichols-Paez, Assistant Professor
B.L., 2002, Universidad del Rosario, Colombia; LL.M., 2008, Universidad del Rosario, Colombia; Ph.D., 2013, University of Kansas.

Ken Chilton, Assistant Professor
B.A., Centre College; MPA University of Louisville; Ph.D. University of Louisville 1999

M. Anthony Campbell II, Assistant Professor

B.S., 2003, Francis Marion University; M.P.A. 2006, University

Megan E. Streams, Associate Professor

B.S., 1994, M.S., 1996, Pennsylvania State University; M.P.A., 2004, Ph.D. 2007, University of Kentucky

Michael Harris, Professor, and Dean, College of Public Service

B.A., Bar Ilan University, Israel, 1982; M.A., Tel Aviv University, Israel, 1986; Ph.D., 1993, Indiana University

Rodney E. Stanley, Professor and Department Chair

B.S., 1995, Tennessee Temple University; M.P.A., 1997, University of Tennessee at Chattanooga; Ph.D., 2001, Mississippi State University

College of Public Service Graduate Faculty (Public Health)

Charles Brown, Assistant Professor

B.S., 2001, Tennessee State University; M.Ed., 2002, Belmont University; Ph.D., 2005, Middle Tennessee State University

Elizabeth Brown, Associate Professor

B.S., 1991, Tennessee State University; M.S.P.H., 1994, Meharry Medical College; Ph.D., 2008, The University of Tennessee, Knoxville

Elizabeth Williams, Associate Professor

B.S., 1994, University of Illinois-Urbana-Champaign; M.A., 1998, Ph.D., 2002, University of Kentucky

Frank Pleban, Assistant Professor

B.S., 1993, Central Michigan University; M.A. 1997, Central Michigan University; Ph.D., 2002, Southern Illinois University-Carbondale; M.S., 2012, Wayne State University

Jemal Gishe, Assistant Professor

B.A., 1995, Addis Abba University; M.Sc., 2000, Addis Abba University; Ph.D., 2006, University of South Florida

Kushal Patel, Associate Professor

B.A. 1993, Temple University, M.A. 1997, American University, Ph.D., 2004, Vanderbilt University

Mohamed Kanu, Professor

B.A. (Hons). 1994, Fourah Bay College, University of Sierra Leone; M.A., 1999, University of Memphis; MPH., 2001, Ph.D., 2004, Saint Louis University

Owen Johnson, Associate Professor

B.S., 1995, Fort Valley State University; M.S., 1998, University of Kentucky; Dr.P.H., 2005, University of Kentucky

Revlon B. Briggs, Associate Professor

B.S., 1991, Tennessee State University; M.S., 1993, Jacksonville State University; D.H.A., 2014, The University of Phoenix

Wendelyn Inman, Associate Professor
B.A. 1978 Wittenberg University, Ph.D., 1985, Vanderbilt University

College of Public Service Graduate Faculty (Social Work)

Ali Winters, Assistant Professor
B.S., 1992, University of Alabama at Birmingham, M.S.W. 1996, University of Alabama-Tuscaloosa, D.S.W., 2015, University of Tennessee

Cynthia George, Assistant Professor
B.S., 2003 Tennessee Technological University, M.S.W., 2008 University of Tennessee, Ph.D., 2011-2016, Virginia Commonwealth University

Delores C. Butler, Assistant Professor and Director of Field
B.S., 1972, Indiana State University; M.S.S.W., 1978, University of Tennessee.

Jay Hedgpeth, Assistant Professor
B.S., 2006, Arizona State University, M.S.W., 2007, Arizona State University, Ph.D., 2012, Arizona State University